



VWR INTERNATIONAL  
**ALL YOU NEED**  
FOR LIQUID HANDLING

Flasks and Cylinders

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Pipettes, Burettes and Accessories

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Dispensers and Burettes

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Pipettes, Steppers and Tips

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Straw Pipettes

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Reagent Reservoirs

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Robotic Tips



# INTRODUCTION

## Liquid handling... from glass to robotics

Handling liquids in a laboratory is one of the cornerstones of scientific practice. For many years the products that we classify under the name “liquid handling” have been evolving and ranges expanding from volumetric glassware to mechanical pipettes, from burettes to bottle top dispensers and from electronic pipettes to fully automatic liquid handling systems.

## A complete range providing choice for whatever you need

We can supply a unique variety of choice from the world’s leading brands and our VWR Collection range. From premium quality and certification to value for money.

## Providing support and traceability....

At VWR® we do not stop after delivering your new liquid handling equipment. VWR® pipette services ensure your liquid handling products are in optimal condition and always compliant to your quality standards. With our officially trained technicians and fully ISO 17025 accredited facilities, we offer a complete service solution **in-house or on-site**.

VWR®’s calibration service of pipettes, steppers, burettes and volumetric glassware cover:

- Calibration procedures according ISO 8655/ISO 4787
- Adjustments
- Preventative maintenance
- Corrective maintenance/repair
- Troubleshooting and diagnosis
- Calibration certificates
- Due time reminder system

This guide gives you an overview of the most popular products and brands within our liquid handling portfolio, ensuring that all you need for liquid handling is in this one guide.

## Visit our dedicated microsites on vwr.com for a full range of:

VWR collection



Life Science



Safety and Cleaning



Our website contains all the products we offer and has a powerful search engine with advanced search filters to make life easy.

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## PROVIDING SUPPORT AND TRACEABILITY... ASSURING COMPLIANCE

VWR's pipette services is our total care programme for pipette calibration and service of single- and multi-channel pipettes, steppers, burettes, volumetric glassware, titrators and other liquid handling equipment.

It provides traceable results to ensure that your equipment is compliant.

The accuracy and precision of your liquid handling device is essential.

Preventative maintenance and cleaning is a must for smooth operation and for a longer life cycle of your pipette.

And to remain compliant, regular pipette calibration is required by GLP, GMP, FDA and ISO.

### **A complete service solution – in-house or on-site**

#### **VWR's calibration service of pipettes, steppers, burettes and volumetric glassware covers:**

- Calibration procedures according ISO 8655/ISO 4787
- Adjustment
- Preventative maintenance
- Corrective maintenance/repair
- Troubleshooting and diagnosis
- Calibration certificate
- Due time reminder system

We also offer our services on-site, if required.

### **We set the highest standards – officially trained technicians and full ISO 17025 accredited facilities**

At VWR we commit ourselves to use the highest standards for our pipette service:

- Calibration according to ISO 8655 or UKAS
- Genuine spare parts for repairs
- Accredited Competence Centre is fully compliant with ISO 17025
- VWR Technicians are fully certified and trained by the manufacturers



## TRACEABLE FROM BEGINNING TO END...

Every calibration is registered with a free calibration certificate including the individual calibration results. If an ISO/IEC 17025 accredited calibration is required, the certificate is provided with the accreditation logo which gives direct traceability to a National Standard. In case of a pipette adjustment, you always receive a pre-adjustment and a post-adjustment certificate.

For all GLP laboratories we perform an 'as found' calibration and an 'as left' calibration. This means that we perform a calibration before and after any preventative maintenance. This is completely in line with GLP requirements.

Every calibrated pipette gets a calibration label with calibration and recalibration date. To keep your pipette in a calibrated status we have our due time reminder system. This system will inform you about the due time and to send the pipette in for service.

### VWR PIP's – clear and customisable service packs to ensure your requirements are met

Based on 20 years of calibrating, repairing and servicing pipettes and other liquid handling devices, we created the VWR PIP's. These Pipetting Insurance Packages are complete service packages tailored to meet your needs. They vary from basic quality control and calibration to 'all in' packages to meet the highest demands.

And of course we can offer a full customisable package in case of any unique demands you might have.

For all packages we provide a clear overview of the activities performed based on fixed costs or rates.

This provides you assurance and full visibility on the costs up front.

At VWR we want to ensure that your pipette is always in top condition and meeting your requirements of accuracy and traceability, so please contact us for more information or request a quote via [eu.vwr.com/pipetservices](http://eu.vwr.com/pipetservices).





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## Flasks and Cylinders

### Volumetric flasks, class A VITLAB®



#### PMP, translucent, with PP stopper

- Individually calibrated ring-mark
- Imprinted lot number
- With certificate

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Pk	Cat. No.
25	0,04	10/19	1	612-3801
50	0,06	10/19	1	612-3802
100	0,10	14/23	1	612-3803
250	0,15	19/26	1	612-3804
500	0,25	19/26	1	612-3806
1000	0,40	24/29	1	612-3807



### Volumetric flasks, class A VITLAB®



#### PFA, translucent, with PFA screw cap

- Withstand high temperatures and have good chemical resistance, leakproof, autoclavable
- Individually calibrated ring-mark
- PFA is ideal for trace analysis

DIN EN ISO 1042

Capacity (ml)	Thread	Tolerance (± ml)	Pk	Cat. No.
25	GL 18	0,04	1	612-3931
50	GL 18	0,06	1	612-3932
100	GL 18	0,10	1	612-3933
250	GL 25	0,15	1	612-3934
500	GL 25	0,25	1	612-3935



### Volumetric flasks, class A, blue graduation

Brand



#### BLAUBRAND®, DURAN®, borosilicate glass, with PP stopper

- Calibrated to contain (TC, In)
- Marks and inscriptions in high contrast blue enamel
- Conformity certified

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,04	10/19	✓	2	612-5073
10	0,04	10/19	✓	2	612-5074
20	0,04	10/19	-	2	612-5075
25	0,04	10/19	-	2	612-5076
25	0,06	12/21	✓	2	612-3136
50	0,06	12/21	-	2	612-5077
50	0,10	14/23	✓	2	612-3141
100	0,10	12/21	-	2	612-5078
100	0,10	14/23	✓	2	612-3146
200	0,15	14/23	-	2	612-5079
250	0,15	14/23	-	2	612-5080
500	0,25	19/26	-	2	612-5081
1000	0,4	24/29	-	1	612-5082
2000	0,6	29/32	-	1	612-5083
5000	1,2	34/35	-	1	612-3175
10000*	2,0	45/40	-	1	612-2737

\* In addition to DIN

## Volumetric flasks, class A, amber graduation

Brand



**BLAUBRAND® ETERNA, DURAN®**, borosilicate glass, with PP stopper

- Calibrated to contain (TC, In)
- Mark and inscriptions in ETERNA amber stain
- Conformity certified

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,04	10/19	✓	2	612-5062
10	0,04	10/19	✓	2	612-5064
20	0,04	10/19	-	2	612-5065
25	0,06	12/21	✓	2	612-5063
50	0,06	12/21	-	2	612-5066
50	0,08	14/23	✓	2	612-5067
100	0,10	14/23	✓	2	612-5068
200	0,15	14/23	-	2	612-5069
250	0,15	14/23	-	2	612-5070
500	0,25	19/26	-	2	612-5071
1000	0,40	24/29	-	1	612-5072
2000	0,60	29/32	-	1	612-2735

## Volumetric flasks, class A, blue graduation

Hirschmann Laborgeräte



**DURAN®**, borosilicate glass, with PP stopper

- Blue enamelled indelible markings resistant to acids and alkalis
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,025	7/16	-	2	612-1556
5	0,04	10/19	✓	2	612-1557
10	0,025	7/16	-	2	612-1558
10	0,04	10/19	✓	2	612-1559
20	0,04	10/19	-	2	612-1562
25	0,04	10/19	-	2	612-1563
25	0,06	12/21	✓	2	612-1564
50	0,06	12/21	-	2	612-1565
50	0,08	14/23	✓	2	612-1566
100	0,10	12/21	-	2	612-1567
100	0,10	14/23	✓	2	612-1568
200	0,15	14/23	-	2	612-1569
250	0,15	14/23	-	2	612-1570
500	0,25	19/26	-	2	612-1571
1000	0,60	29/32	✓	1	612-1572
1000	0,40	24/29	-	1	612-1573
2000	0,60	29/32	-	1	612-1574
5000	1,2	34/35	✓	1	612-3307
10000*	2,0	45/40	-	1	612-3308

\* In addition to DIN

### Volumetric flasks, class A, amber graduation

Hirschmann Laborgeräte



#### DURAN® , borosilicate glass, with PP stopper

- Amber stain graduation
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,04	10/19	✓	2	612-1575
10	0,04	10/19	✓	2	612-1576
20	0,04	10/19	-	2	612-1577
25	0,04	10/19	-	2	612-1578
50	0,06	12/21	-	2	612-1579
50	0,08	14/23	✓	2	612-1580
100	0,06	12/21	-	2	612-1581
100	0,10	14/23	✓	2	612-1582
200	0,15	14/23	-	2	612-1583
250	0,15	14/23	-	2	612-1584
500	0,25	19/26	-	2	612-1585
1000	0,40	24/29	-	1	612-1586
2000	0,60	29/32	-	1	612-1587

### Volumetric flasks, class A, white graduation

Brand



#### BLAUBRAND® , DURAN® , borosilicate glass, amber, with PP stopper

- Calibrated to contain (TC, In)
- Marks and inscriptions in high contrast white enamel
- Conformity certified

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,04	10/19	✓	2	612-5084
10	0,04	10/19	✓	2	612-5085
20	0,04	10/19	-	2	612-5086
25	0,04	10/19	-	2	612-5087
50	0,06	12/21	-	2	612-5088
50	0,08	14/23	✓	2	612-5089
100	0,10	14/23	✓	2	612-5090
200	0,15	14/23	-	2	612-5091
250	0,15	14/23	-	2	612-5092
500	0,25	19/26	-	2	612-5093
1000	0,40	24/29	-	1	612-5094

### Volumetric flasks, class A, white graduation

Hirschmann Laborgeräte



#### DURAN® , borosilicate glass, amber, with PP stopper

- White enamelled indelible markings resistant to acids and alkalis
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 1042

Capacity (ml)	Tolerance (± ml)	NS	Wide mouth	Pk	Cat. No.
5	0,025	7/16	-	2	612-1539
5	0,04	10/19	✓	2	612-1540
10	0,025	7/16	-	2	612-1541
10	0,04	10/19	✓	2	612-1542
20	0,04	10/19	-	2	612-1543
25	0,04	10/19	-	2	612-1544
50	0,06	12/21	-	2	612-1545
50	0,08	14/23	✓	2	612-1546
100	0,10	12/21	-	2	612-1547
100	0,10	14/23	✓	2	612-1548
200	0,15	14/23	-	2	612-1549
250	0,15	14/23	-	2	612-1551
500	0,25	19/26	-	2	612-1552
1000	0,40	24/29	-	1	612-1553
2000	0,60	29/32	-	1	612-1554



## Measuring cylinders



### PP, translucent, tall form, autoclavable, class B

Non wetting properties mean no loss of liquid. The measured liquid quantity is the same as the quantity dispensed.

- Ring moulded graduations, overprinted in blue
- Large hexagonal base for better stability
- Anti-drip lip
- Autoclavable at 121 °C for 20 minutes

DIN 12681, ISO 6706

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
25	0,5	0,5	169	12	612-4401
50	1,0	1,0	199	12	612-4402
100	1,0	1,0	260	12	612-4403
250	2,0	2,0	315	6	612-4404
500	5,0	5,0	350	1	612-4405
1000	10,0	10,0	440	1	612-4406
2000	20,0	20,0	482	1	612-4407



## Measuring cylinders VITLAB®



### PMP, transparent, tall form, autoclavable, class A

- Calibrated to contain 'In'
- Hexagonal base, spout, extremely durable
- Ring-moulded graduations

DIN 12681 / ISO 6706

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
10	0,2	0,10	145	1	612-4332
25	0,5	0,25	170	1	612-4334
50	1	0,50	200	1	612-4336
100	1	0,50	250	1	612-4338
250	2	1,00	315	1	612-4340
500	5	2,50	360	1	612-4342
1000	10	5,00	440	1	612-4344
2000	20	10,00	482	1	612-4346



## Measuring cylinders VITLAB®



### PMP, transparent, tall form, class A

- Pouring spout, hexagonal base and ring-moulded graduations
- Accuracy is individually checked and cylinders marked with 'H'
- Supplied with test certificate indicating lot number and year of production (also on the cylinder)

DIN 12681 / ISO 6706

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
25	0,5	0,25	170	1	612-4412
50	1	0,50	200	1	612-4413
100	1	0,50	250	1	612-4414
250	2	1,00	315	1	612-4415
500	5	2,50	360	1	612-4416
1000	10	5,00	440	1	612-4417
2000	20	10,00	482	1	612-4418



### Measuring cylinders, BLAUBRAND®

Brand



**DURAN®**, borosilicate glass, tall form, class A, conformity certified

- Calibrated to contain (TC, In)
- Hexagonal glass base, with spout
- Ring marks at major graduations, marks and inscriptions in high contrast blue enamel

DIN EN ISO 4788

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
5	0,1	0,05	115	2	612-5015
10	0,2	0,10	140	2	612-5016
25	0,5	0,25	170	2	612-5017
50	1	0,5	200	2	612-5018
100	1	0,5	260	2	612-5019
250	2	1	335	2	612-5020
500	5	2,5	365	2	612-5021
1000	10	5	465	1	612-5022
2000	20	10	505	1	612-4118

### Measuring cylinders, BLAUBRAND® ETERNA

Brand



**DURAN®**, borosilicate glass, tall form, class A, conformity certified

- Calibrated to contain (TC, In)
- Hexagonal glass base, with spout
- Ring marks at major graduations, marks and inscriptions in ETERNA amber stain

DIN EN ISO 4788

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
5	0,1	0,05	115	2	612-5030
10	0,2	0,1	140	2	612-5031
25	0,5	0,25	170	2	612-5032
50	1	0,5	200	2	612-5033
100	1	0,5	260	2	612-5034
250	2	1	335	2	612-5035
500	5	2,5	365	2	612-5036
1000	10	5	465	1	612-5037
2000	20	10	505	1	612-9268

### Measuring cylinders

Hirschmann Laborgeräte



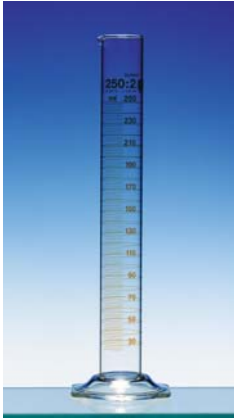
**DURAN®**, borosilicate glass, tall form, class A

- Calibrated to contain 'In', certificate of conformity with dated batch identification (available on internet: [www.hirschmannlab.de](http://www.hirschmannlab.de))
- Hexagonal glass base, with spout
- Blue graduations with ring marks at major graduations

DIN EN ISO 4788

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
5	0,1	0,05	115	2	612-1517
10	0,2	0,1	140	2	612-1518
25	0,5	0,25	170	2	612-1519
50	1	0,5	200	2	612-1520
100	1,0	0,5	260	2	612-1521
250	2,0	1	335	2	612-1522
500	5,0	2,5	390	2	612-1523
1000	10,0	5	470	1	612-1524
2000	20,0	10	570	1	612-3072

Measuring cylinders  
Hirschmann Laborgeräte



**DURAN®**, borosilicate glass, tall form, class A

- Calibrated to contain 'In', certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))
- Hexagonal glass base, with spout
- Ring marks at major graduations, amber graduation

DIN EN ISO 4788

Capacity (ml)	Division (ml)	Tolerance (± ml)	Height (mm)	Pk	Cat. No.
5	0,1	0,05	115	2	612-1385
10	0,2	0,1	140	2	612-1386
25	0,5	0,25	170	2	612-1387
50	1	0,5	200	2	612-1388
100	1	0,5	260	2	612-1389
250	2	1	335	2	612-1390
500	5	2,5	390	2	612-1391
1000	10	5	470	1	612-1392
2000	20	10	570	1	612-1395

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- Empirical formula
- Structural formula

Powerful search engine



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## Pipettes, Burettes and Accessoires

## Serological pipettes



### PS, crystal clear, graduated

Smooth, shiny, transparent pipettes with smooth ends and raised, bright, permanent graduations.

- Coloured top for easy identification; sterile pipettes with cotton plug, non sterile pipettes without cotton plug
- Negative and double graduations: Ascending and descending (for 5, 10, 25 ml) unchangeable and very precise
- Integral construction, preventing any risk of leakage or retention at the weld seam, and shorter for improved ergonomics and greater comfort during use, particularly when working within a fume hood
- Non pyrogenic, non cytotoxic, non haemolytic

**Packaging:** Bulk or individually wrapped in paper/plastic peel-pack with 'fibre-free' paper - no fibre in suspension while opening the wrap.

**Ordering information:** Supplied in stackable dispensing boxes.

Capacity (ml)	Division (ml)	Packed	Pk	Cat. No.
<b>Sterile</b>				
1	0,01	Single	500	612-1240
1	0,01	25 per bags	1000	612-1271
2	0,02	Single	500	612-1243
2	0,02	25 per bags	1000	612-1274
5	0,10	Single	250	612-1245
5	0,10	25 per bags	375	612-1276
10	0,10	Single	200	612-1248
10	0,10	25 per bags	250	612-1279
25	0,20	Single	100	612-1270
25	0,20	10 per bags	100	612-1600
<b>Non sterile</b>				
1	0,01	Bulk	2000	612-1288
2	0,02	Bulk	1000	612-1289
5	0,10	Bulk	400	612-1290
10	0,10	Bulk	250	612-1291

## Serological pipettes, Standard Line



### PS, graduated, sterile

- Graduations are calibrated for accurate dispensing to within  $\pm 2\%$
- Colour-coded stripes for quick volume identification
- Non pyrogenic

**Packaging:** Individually wrapped in paper-plastic bags or bulk packed in bags.

Capacity (ml)	Division (ml)	Colour code	Packed	Pk	Cat. No.
1	0,01	Yellow	Individual	1000	612-3707
1	0,01	Yellow	25/bag	1000	612-3705
2	0,01	Green	Individual	800	612-3704
2	0,01	Green	25/bag	700	612-3703
5	0,10	Blue	Individual	300	612-3702
5	0,10	Blue	25/bag	500	612-3701
10	0,10	Red	Individual	200	612-3700
10	0,10	Red	25/bag	350	612-3699
25	0,20	Lilac	Individual	200	612-3698
25	0,20	Lilac	25/bag	350	612-3697
50	1,00	Black	Individual	100	612-3696
50	1,00	Black	25/bag	250	612-3695

## Serological pipettes

### Corning



### PYREX® , borosilicate glass, disposable

- Calibrated to deliver (TD, Ex)
- Negative graduations
- Long, slender, tapered tips for even flow rates

**Packaging:** Non sterile pipettes available in bulk package; sterile pipettes available in individual paper-plastic wrappers or as Multi-Pack in plastic bags.

Non sterile, non plugged, bulk					
Capacity (ml)	Division (ml)	Length (mm)	Packed	Pk	Cat. No.
1	0,01	290	Bulk	1000	612-5192
2	0,01	290	Bulk	700	612-5193
5	0,1	290	Bulk	960	612-5194
10	0,1	290	Bulk	720	612-5189

Sterile, plugged, individually wrapped						
Capacity	Division	Length	Colour code	Packed	Pk	Cat. No.
1	0,01	290	Yellow	Individually wrapped	800	612-5132
2	0,01	290	Green	Individually wrapped	720	612-5133
5	0,1	290	Blue	Individually wrapped	720	612-5134
10	0,1	290	Orange	Individually wrapped	600	612-5131

Sterile, plugged, Multi-Pack						
Capacity (ml)	Division (ml)	Length (mm)	Colour code	Packed	Pk	Cat. No.
1	0,01	290	Yellow	50/Multi-Pack	1000	612-5163
1	0,1	290	Yellow	50/Multi-Pack	1000	612-5164
2	0,01	290	Green	35/Multi-Pack	700	612-5165
5	0,1	290	Blue	30/Multi-Pack	960	612-5166
10	0,1	290	Orange	20/Multi-Pack	720	612-5162

Shorty, sterile, plugged, individually wrapped						
Capacity (ml)	Division (ml)	Length (mm)	Colour code	Packed	Pk	Cat. No.
1	0,01	215	Yellow	Individually wrapped	500	612-5136
5	0,1	215	Blue	Individually wrapped	400	612-5140
10	0,2	215	Orange	Individually wrapped	400	612-5138
25	0,2	300	Red	Individually wrapped	400	612-5139
50	0,5	358	Lilac	Individually wrapped	50	612-5141

Shorty, sterile, plugged, Multi-Pack						
Capacity (ml)	Division (ml)	Length (mm)	Colour code	Packed	Pk	Cat. No.
1	0,01	215	Yellow	10/Multi-Pack	500	612-5177
5	0,1	215	Blue	10/Multi-Pack	400	612-5187
10	0,2	215	Orange	10/Multi-Pack	400	612-5178
25	0,2	300	Red	5/Multi-Pack	400	612-5186
50	0,5	358	Lilac	5/Multi-Pack	50	612-5188

Bacteriological, sterile, plugged, Multi-Pack					
Capacity (ml)	Division	Packed	Pk	Cat. No.	
2,2	-	25/Multi-Pack	500	612-5130	

## Serological pipettes, Stripette®

Corning



### PS, graduated, sterile

- Calibrated to deliver (TD, Ex)
- High performance anti-drip tips, colour-coded magnifier stripe and negative graduations
- Certified RNase-/DNase-free and non pyrogenic

**Packaging:** Four packaging options:

Bulk packaged in bags

Individually wrapped in plastic bags

Individually wrapped in paper-plastic bags

Individually wrapped in paper-plastic bags, triple bagged

Capacity (ml)	Division (ml)	Colour code	Packed	Pk	Cat. No.
<b>Bulk packaged in bags</b>					
1	0,01	Yellow	50/bag	1000	734-1687
2	0,01	Green	50/bag	1000	734-1689
5	0,10	Blue	50/bag	500	734-1691
10	0,10	Orange	50/bag	500	734-1693
25	0,20	Red	25/bag	200	734-1695
50	0,50	Lilac	25/bag	100	734-1743
<b>Individually wrapped in plastic bags</b>					
1	0,01	Yellow	100/bag	200	734-0488
1	0,01	Yellow	100/bag	1000	734-1688
2	0,01	Green	100/bag	1000	734-1690
5	0,10	Blue	50/bag	200	734-1692
10	0,10	Orange	50/bag	200	734-1694
10*	0,10	Orange	50/bag	200	734-1742
25	0,20	Red	50/bag	200	734-1696
50	0,50	Lilac	25/bag	100	734-1744
100	1,00	Turquoise	10/bag	100	734-1734
<b>Individually wrapped in paper-plastic bags</b>					
1	0,01	Yellow	50/bag	1000	734-1735
2	0,01	Green	50/bag	1000	734-1736
5	0,10	Blue	50/bag	200	734-1737



# Pipettes, Burettes and Accessoires

## Graduated Pipettes

Individually wrapped in paper-plastic bags					
10	0,10	Orange	50/bag	200	734-1738
25	0,20	Red	25/bag	200	734-1739
50	0,50	Lilac	25/bag	100	734-1740
100	1,00	Turquoise	10/bag	100	734-1741
Individually wrapped in paper-plastic bags, triple bagged					
1	0,01	Yellow	50/bag	1000	612-5126
2	0,01	Green	50/bag	1000	612-5127
5	0,01	Blue	50/bag	200	612-5128
10	0,10	Orange	50/bag	200	612-5123
10**	0,10	Orange	50/bag	200	612-3694
25	0,20	Red	25/bag	200	612-5124
50	0,50	Lilac	25/bag	100	612-5125
100	1,00	Turquoise	10/bag	100	444-1019

\* With wide orifice for viscous materials

\*\* Non plugged

## Serological pipettes, BD Falcon™

BD Biosciences



**PS, graduated, sterile**

- Coloured top with cotton plug and coloured packaging for easy identification
- Negative graduations for extra capacity and reverse graduations (except 1 ml)
- Non pyrogenic

**Packaging:** Individually wrapped in paper-peelable bags or bulk packaged in bags.

Capacity (ml)	Division (ml)	Packed	Pk	Cat. No.
<b>Individually wrapped</b>				
1	0,01	100 per box	1000	734-0340
2	0,01	100 per box	1000	734-0336
5	0,10	50 per bag	200	734-0350
10	0,10	50 per bag	200	734-0352
25	0,25	50 per bag	200	734-0343
25	0,50	50 per bag	200	734-0347
50	1,00	25 per bag	100	734-0351
100	1,00	5 per bag	50	734-0355
<b>Bulk packaged</b>				
1	0,01	25 per bag	1000	734-0335
2	0,01	25 per bag	1000	734-0337
5	0,10	25 per bag	500	734-0344
10	0,10	25 per bag	500	734-0345
25	0,25	20 per bag	200	734-0338



## Serological pipettes, BD Falcon™, BD Advantage™

BD Biosciences



**PS, graduated, sterile**

- Coloured top with cotton plug and coloured packaging for easy identification
- Negative graduations for extra capacity and reverse graduations (except 1 ml)
- Non pyrogenic

**Packaging:** Individually wrapped in plastic-peelable bags, recyclable.

Capacity (ml)	Division (ml)	Packed	Pk	Cat. No.
1	0,01	100 per box	1000	734-0305
2	0,01	100 per box	1000	734-0297
5	0,10	50 per bag	200	734-0313
10	0,10	50 per bag	200	734-0315
25	0,25	50 per bag	200	734-0307
25	0,50	50 per bag	200	734-0310
50	1,00	25 per bag	100	734-0314





### Serological pipettes, Nunc™

Thermo Scientific



**PS, sterile**

- Coloured top with cotton plug and coloured packaging for easy identification
- Convenient, black, extra graduations to full pipette volume
- Non pyrogenic

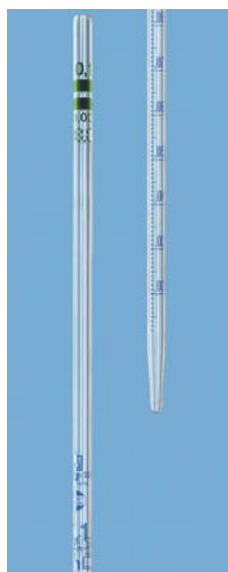


**Packaging:** Individually wrapped in paper-peelable bags.

Capacity (ml)	Division (ml)	Colour code	Pk	Cat. No.
1	0,01	Black	1000	710-2500
2	0,01	Black	500	612-1471
5	0,10	Blue	200	710-2502
10	0,10	Orange	200	710-2503
25	0,20	Green	200	612-1474
50	0,50	Purple	100	612-1475

### Graduated pipettes, BLAUBRAND® , type 3, total delivery

Brand



**AR-Glas® , class AS, conformity certified**

- Calibrated to deliver (TD, Ex); type 3: Zero on top
- Marks and inscriptions in high contrast blue enamel

DIN EN ISO 835

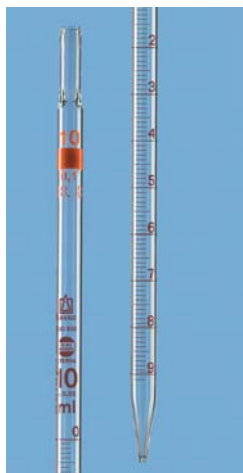
Length: 360 mm ±10 mm except for 25 and 50 ml pipettes: 450 mm ±10 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Suppl. to DIN	Pk	Cat. No.
0,1	0,001	0,001	-	1	612-1101
0,5	0,01	0,006	-	1	612-1104
1	0,01	0,007	-	1	612-1105
1*	0,01	0,007	-	1	612-1106
1	0,1	0,007	-	1	612-1107
2	0,01	0,01	✓	1	612-1108
2	0,02	0,01	-	1	612-1109
2*	0,02	0,01	-	1	612-1110
2	0,1	0,01	-	1	612-1111
5*	0,05	0,03	-	1	612-1112
5*	0,1	0,03	-	1	612-1113
10*	0,1	0,05	-	1	612-1114
20*	0,1	0,1	-	1	612-1115
25*	0,1	0,1	-	1	612-1116
50*	0,5	0,2	✓	1	612-1117

\* With cotton plug end

### Graduated pipettes, BLAUBRAND® ETERNA, type 3, total delivery

Brand



**AR-Glas® , class AS, conformity certified**

- Calibrated to deliver (TD, Ex); type 3: Zero at the top
- Marks and inscriptions in amber stain

DIN EN ISO 835

Length: 360 mm ±10 mm except for 25 ml pipettes: 450 mm ±10 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
0,5	0,01	0,006	1	612-1124
1	0,01	0,007	1	612-1125
1*	0,01	0,007	1	612-1126
2	0,02	0,01	1	612-1129
2*	0,02	0,01	1	612-1130
5*	0,05	0,03	1	612-1132
5*	0,1	0,03	1	612-1133
10*	0,1	0,05	1	612-1134
20*	0,1	0,1	1	612-1135
25*	0,1	0,1	1	612-1136

\* With cotton plug end

### Graduated pipettes, type 3, total delivery

Hirschmann Laborgeräte



#### AR-Glas® , class AS

- Calibrated to deliver 'Ex', certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))
- Marks and inscriptions in amber stain, graduated to the tip
- From 5 ml with a cotton plug as standard

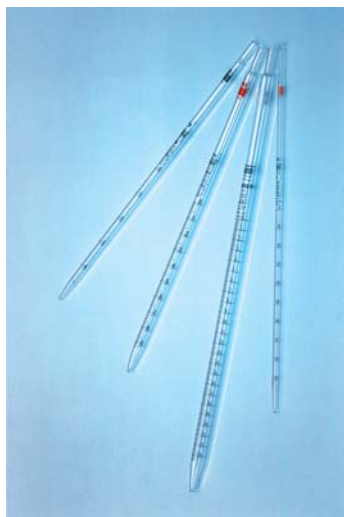
DIN EN ISO 835

Length: 360 mm ±5 mm except for 25 and 50 ml pipettes: 450 mm ±5 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
0,5	0,01	0,005	1	612-1045
1	0,01	0,007	1	612-1046
1	0,1	0,007	1	613-2111
2	0,02	0,01	1	612-1047
2	0,01	0,01	1	613-2112
2	0,1	0,01	1	613-2113
5	0,05	0,03	1	612-1048
5	0,1	0,03	1	612-1049
10	0,1	0,05	1	612-1050
20	0,1	0,1	1	612-1051
25	0,1	0,1	1	612-1052
50	0,2	0,2	1	612-1053

### Graduated pipettes, type 3, total delivery

Hirschmann Laborgeräte



#### AR-Glas® , class AS

- Main point ring graduation, graduated to the tip, blue graduation
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 835

Length: 360 mm ±5 mm except for 25 and 50 ml pipettes: 450 mm ±5 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
0,5	0,01	0,006	1	612-1033
1	0,01	0,007	1	612-1034
1	0,1	0,007	1	612-1035
2	0,02	0,01	1	612-1037
2	0,01	0,01	1	612-1036
2	0,1	0,01	1	612-1038
5	0,05	0,03	1	612-1039
5	0,1	0,03	1	612-1040
10	0,1	0,05	1	612-1041
20	0,1	0,1	1	612-1042
25	0,1	0,1	1	612-1043
50	0,2	0,2	1	612-1044

## Aspirating pipettes, BD Falcon™

### BD Biosciences

PS, non plugged, non graduated, disposable, sterile

- Safer alternative to glass Pasteur pipettes
- Non pyrogenic
- Individually packaged to prevent contamination

**Packaging:** Individually packaged in a thermoformed paper/plastic wrap.



Capacity (ml)	Length (mm)	Pk	Cat. No.
2	283	200	734-0456
5	348	200	612-2458
25	311	200	612-3020

## Pasteur pipettes



Glass, disposable, non sterile

- Automated manufacturing process ensuring total uniformity of production
- Tapered upper opening for cotton ball plugging
- Top body outer diameter: 7,1 mm, wall thickness: 0,53 mm, jet outer diameter: 1,50 mm



Description	Capacity (ml)	Length (mm)	Pk	Cat. No.
Non plugged	2,0	150	250	612-1701
Non plugged	2,0	230	250	612-1702
Pre-plugged	2,0	150	250	612-1798
Pre-plugged	2,0	230	250	612-1799
Non plugged, breakable tip	2,0	230	250	612-3850
Non plugged, breakable tip	2,0	270	250	612-3860
Pre-plugged, breakable tip	2,0	230	250	612-3849
Pre-plugged, breakable tip	2,0	270	250	612-3861



## Transfer pipettes, High Performance

LDPE, disposable

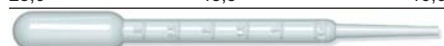
- Non toxic and can be incinerated
- Can be heat sealed and frozen at very low temperatures such as in liquid nitrogen

**Packaging:** Sterile pipettes are packaged in medical grade paper and non toxic film.



### General Purpose

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,5	40	1,0	5,0	87	-	Bulk	1000	612-2846
1,5	35,7	1,0	5,0	123	-	Bulk	1000	612-2849
23,0	45,5	10,0	9,0	300	-	Bulk	600	612-2859



### Graduated

Capacity (ml)	Drop vol. (µl)	Suction		Graduation			Sterile	Packed	Pk	Cat. No.
		volume (ml)	Stem Ø (mm)	Length (mm)	(ml)					
3,0	45,4	1,0	5	138	1,0	-	Bulk	500	612-2851	
5,0	43,4	1,0	5	150	1,0	-	Bulk	500	612-1684	
5,0	43,4	1,0	5	150	1,0	+	Individual	500	612-1685	
5,0	43,4	1,0	5	150	1,0	+	5 per bag	500	612-1686	
5,0	43,4	1,0	5	150	1,0	+	10 per bag	500	612-1687	
6,0	45,4	1,5	5	230	1,5	-	Bulk	400	612-2842	
6,0	45,4	1,5	5	230	1,5	+	Individual	500	612-2843	
6,0	45,4	1,5	5	230	1,5	+	5 per bag	500	612-2844	
6,0	45,4	1,5	5	230	1,5	+	10 per bag	500	612-2845	
7,0	47,6	3,0	7,8	150	3,0	-	Bulk	500	612-1681	
7,0	47,6	3,0	7,8	150	3,0	+	5 per bag	500	612-1682	
7,0	47,6	3,0	7,8	150	3,0	+	10 per bag	500	612-1683	
7,0	47,6	3,5	7,8	150	3,0	+	Individual	500	612-1747	



### Extra Large

Capacity (ml)	Drop vol. (µl)	Suction volume			Length (mm)	Sterile	Packed	Pk	Cat. No.
		(ml)	Stem Ø (mm)	(ml)					
14,0	55,6	10,0	4,0	170	-	Bulk	200	612-2847	

# Pipettes, Burettes and Accessoires

## Pasteur and Micro Pipettes



**Narrow Stem**

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,2	40	0,9	2,5	63	-	Bulk	500	612-2848
4,0	35,7	3,5	2,5	83	-	Bulk	1000	612-2841
4,0	35,7	3,5	2,5	150	-	Bulk	500	612-1688
4,0	35,7	3,5	2,5	150	+	Individual	500	612-1756
4,0	35,7	3,5	2,5	150	+	5 per bag	500	612-1689
4,0	35,7	3,5	2,5	150	+	10 per bag	500	612-1690



**Fine Tip**

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,5	20	1,0	3	104	-	Bulk	400	612-2853
5,0	15,4	3,5	5	144	-	Bulk	500	612-2856
5,0	15,4	3,5	5	144	+	Individual	500	612-2857
5,0	15,4	3,5	5	144	+	10 per bag	500	612-2858
7,0	15,1	6,0	6,3	150	-	Bulk	400	612-4464
7,0	15,1	6,0	6,3	150	+	Individual	500	612-4465
7,0	15,1	6,0	6,3	150	+	5 per bag	500	612-2854
7,0	15,1	6,0	6,3	150	+	10 per bag	500	612-2855



**Blood bank**

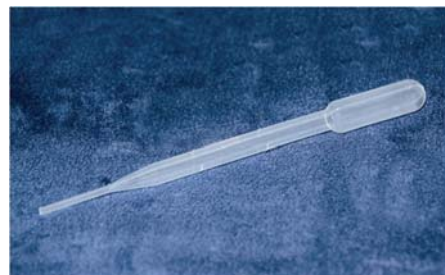
Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Graduation (ml)	Sterile	Pk	Cat. No.
5,0	45,4	2,0	6,7	155	2,0	-	500	612-2850



**Paddle**

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Stem Ø (mm)	Length (mm)	Sterile	Packed	Pk	Cat. No.
3,0	30,3	0,2	3,8	130	-	Bulk	500	612-2852

## Transfer pipettes, all-in-one



**Graduated, large bulb**

### LDPE, disposable

These unbreakable all-in-one pipettes eliminate the hazard of broken glass and exposure to infectious materials. The low-affinity surface reduces the loss of cells and valuable proteins due to binding. They work well whenever there is a need for quick, safe transfer of fluids.

- Will not shatter or break
- Non toxic and inert to biological fluids and most acids
- Can be sealed and refrigerated; can be gas sterilised
- No bulb to insert or remove
- Uniform drop size



### Graduated, large bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Graduation (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
5,8	40	3,4	0,25	155	-	Bulk	500	612-4494
5,8	40	3,4	0,25	155	-	Peel-off pouch (100x5)	500	612-4542
5,8	40	3,4	0,25	155	-	Peel-off pouch (50x10)	500	612-4533
5,8	40	3,4	0,25	155	+	Peel-off pouch (50x10)	500	612-4523
5,8	40	3,4	0,25	155	+	20 per bag	500	612-4491
5,8	40	3,4	0,25	155	+	Individually wrapped	500	612-4497
7,0	50	3,0	1,0	153	-	Bulk	500	612-4472
7,0	50	3,0	1,0	153	+	Individually wrapped	500	612-4473
7,5	50	3,2	0,5	155	-	Bulk	500	612-4545
7,5	50	3,2	0,5	155	+	Peel-off pouch (100x5)	500	612-4536
7,5	50	3,2	0,5	155	+	Peel-off pouch (50x10)	500	612-4538
7,5	50	3,2	0,5	155	+	20 per bag	500	612-4502
7,5	50	3,2	0,5	155	+	Individually wrapped	500	612-4543



Graduated, small bulb

Graduated, small bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Graduation (ml)	Sterile	Packed	Pk	Cat. No.
3,0	40	2,1	140	0,25	-	Bulk	500	612-4520



Non graduated, standard

Standard

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
7,5	50	3,2	155	-	Bulk	500	612-4504
7,5	50	3,2	155	+	20 per bag	500	612-4505
7,5	50	3,2	155	+	Individually wrapped	500	612-4506
15,0	53	8,0	155	-	Bulk	250	612-4512
15,0	53	8,0	155	+	Individually wrapped	250	612-4513



Non graduated, general purpose

General purpose

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,7	40	0,9	87	-	Bulk	500	612-3608
1,7	40	0,9	87	+	20 per bag	500	612-4470
1,7	40	0,9	87	+	Individually wrapped	500	612-4471



Non graduated, general purpose, large bulb

General purpose, large bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
8,0	50	4,6	152	+	20 per bag	400	612-4508
8,0	50	4,6	152	+	Individually wrapped	400	612-4509
9,3	56	4,8	137	-	Bulk	250	612-4511

# Pipettes, Burettes and Accessoires

## Pasteur and Micro Pipettes



Narrow stem, standard

Non graduated, narrow stem, standard

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
4,6	45	3,3	155	-	Bulk	500	612-3609
4,6	45	3,3	155	+	Peel-off pouch (100×5)	500	612-4526
4,6	45	3,3	155	+	Peel-off pouch (50×10)	500	612-4527
4,6	45	3,3	155	+	20 per bag	500	612-4479
4,6	45	3,3	155	+	Individually wrapped	500	612-4481



Narrow stem, large bulb

Non graduated, narrow stem, large bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
4,0	40	3,0	86	-	Bulk	500	612-4476



Thin stem

Non graduated, thin stem

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,5	48	0,8	116	-	Bulk	500	612-3399
1,5	48	0,8	116	+	20 per bag	500	612-4468
1,5	48	0,8	116	+	Individually wrapped	500	612-4469



Long

Non graduated, long

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
5,5	40	2,3	230	-	Bulk	500	612-3610
5,5	40	2,3	230	+	20 per bag	400	612-4499
5,5	40	2,3	230	+	Individually wrapped	400	612-4500



Extra long

Non graduated, extra long

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
23,0	50	7,3	300	-	Bulk	100	612-3627
23,0	50	7,3	300	+	20 per bag	100	612-4514
23,0	50	7,3	300	+	Individually wrapped	100	612-4515



Fine tip, standard

Non graduated, fine tip, standard

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
5,8	20	3,3	147	-	Bulk	500	612-4492
5,8	20	3,3	147	-	Peel-off pouch (50×10)	500	612-4530
5,8	20	3,3	147	+	20 per bag	500	612-4495
5,8	20	3,3	147	+	Individually wrapped	500	612-4496



Extended fine tip, large bulb

Non graduated, extended fine tip, large bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
5,0	20	3,3	153	-	Bulk	250	612-4486
5,0	20	3,3	153	+	20 per bag	500	612-4490



Extended fine tip, small bulb

Non graduated, extended fine tip, small bulb

Capacity (ml)	Drop vol. (µl)	Suction volume (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
1,5	20	1,0	104	-	Bulk	400	612-3619
1,5	20	1,0	104	+	20 per bag	500	612-4466
1,5	20	1,0	104	+	Individually wrapped	400	612-4518

## Transfer pipettes, BD Falcon™

### BD Biosciences

#### PE, disposable

- With 1 ml and 2 ml graduations
- Small tip ensures consistent reproduction of drop size

Capacity (ml)	Length (mm)	Sterile	Packed	Pk	Cat. No.
3,0	152	-	500/package, 1000/case	1000	734-0342
3,0	152	+	Individually wrapped, 500/case	500	734-0354

### Dropping pipettes

Kartell



#### PE, graduated

- Moulded in one piece
- High capacity reservoir for take up and expulsion of liquids
- Ideal replacement for traditional glass Pasteur pipette and rubber teat

Capacity (ml)	Ø ext. (mm)	Length (mm)	Sterile	Pk	Cat. No.
1,5	8	134	-	100	612-1778
5	10	195	-	100	612-1780



**Bulb pipettes, BLAUBRAND®  
Brand**



**Glass AR-Glas® , 1 mark, class AS, conformity certified**

- AR-Glas®, produced according to DIN EN ISO 648
- Conformity certified, with batch certificate
- Calibrated to deliver, total delivery
- Ring mark and inscriptions in blue enamel
- Waiting time 5 secs

DIN EN ISO 648

Capacity (ml)	Tolerance (± ml)	Length (mm)	Pk	Cat. No.
0,5	0,005	300	1	612-1201
1	0,008	300	1	612-1202
2	0,01	330	1	612-1203
2,5	0,01	330	1	612-1204
3	0,01	330	1	612-1205
4	0,015	400	1	612-1206
5	0,015	400	1	612-1207
6	0,015	400	1	612-1208
7	0,015	400	1	612-1209
8	0,02	440	1	612-1210
9	0,02	440	1	612-1211
10	0,02	440	1	612-1212
15	0,03	510	1	612-1213
20	0,03	510	1	612-1214
25	0,03	520	1	612-1215
30	0,03	520	1	612-1216
40	0,05	540	1	612-1217
50	0,05	540	1	612-1218
100	0,08	585	1	612-1219

**Bulb pipettes  
Hirschmann Laborgeräte**



**Glass AR-Glas® , 1 mark, class AS**

- Calibrated to deliver 'Ex'
- Blue inscriptions
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 648

Capacity (ml)	Tolerance (± ml)	Length (mm)	Pk	Cat. No.
1	0,007	300	1	612-1310
2	0,01	330	1	612-1311
2,5	0,01	350	1	612-1312
3	0,01	350	1	612-1313
5	0,015	400	1	612-1314
10	0,02	440	1	612-1315
15	0,03	510	1	612-1316
20	0,03	510	1	612-1317
25	0,03	520	1	612-1318
50	0,05	540	1	612-1384
100	0,08	585	1	612-1320

**Bulb pipettes, BLAUBRAND® ETERNA  
Brand**



**AR-Glas® , 1 mark, class AS, conformity certified**

- Calibrated to deliver (TD, Ex)
- Marks and inscriptions in amber stain

DIN EN ISO 648

Capacity (ml)	Tolerance (± ml)	Length (mm)	Pk	Cat. No.
1	0,008	300	1	612-1222
2	0,01	330	1	612-1223
5	0,015	400	1	612-1227
10	0,02	440	1	612-1232
20	0,03	510	1	612-1234
25	0,03	520	1	612-1235
50	0,05	540	1	612-1238

### Bulb pipettes

Hirschmann Laborgeräte



#### AR-Glas® , 1 mark, class AS

- Calibrated to deliver 'Ex'
- Amber inscriptions
- Certificate of conformity with dated batch identification available on internet ([www.hirschmannlab.de](http://www.hirschmannlab.de))

DIN EN ISO 648

Capacity (ml)	Tolerance (± ml)	Length (mm)	Pk	Cat. No.
0,5	0,005	300	1	612-1321
1	0,007	300	1	612-1322
1,5	0,01	300	1	612-1323
2	0,01	330	1	612-1324
2,5	0,01	350	1	612-1325
3	0,01	350	1	612-1326
4	0,015	400	1	612-1327
5	0,015	400	1	612-1328
6	0,015	420	1	612-1329
7	0,015	430	1	612-1330
8	0,02	440	1	612-1331
9	0,02	440	1	612-1332
10	0,02	440	1	612-1333
15	0,03	510	1	612-1334
20	0,03	510	1	612-1335
25	0,03	520	1	612-1336
30	0,03	520	1	612-1337
40	0,05	540	1	613-3217
50	0,05	540	1	612-1339
100	0,08	585	1	612-1340

### Pipette tray

Kartell



**PVC**

- Very useful work station holder for items other than pipettes
- For 7 pipettes diameter <20 mm or for 16 pipettes diameter <10 mm
- For pipettes of all lengths

W×D×H: 283×216×40 mm

Description	Pk	Cat. No.
Pipette tray	1	612-1810

### Pipette tray for drawer

Kartell



**PVC**

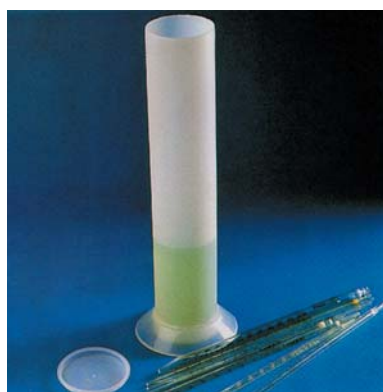
- Designed to hold about 30 pipettes
- 4 compartments to accommodate pipettes of 1, 2, 5, 10 ml

W×D×H: 425×300×30 mm

Description	Pk	Cat. No.
Pipette tray for drawer	1	612-1805

### Pipette jar

Kartell



**PP, with PE lid, autoclavable without lid (20 min at +120 °C)**

- Can be used without the lid to autoclave pipettes
- Tight-fitting lid for protecting pipettes from dust and during transport
- Can easily be cut down in height or used as a container for soaking contaminated pipettes

Ø×h ext/int: 82×426/410 mm

Description	Pk	Cat. No.
Pipette jar	1	612-1820



### Pipette stand

Kartell



**PP**

- For 8 pipettes diameter <10 mm and 8 pipettes diameter <15 mm
- Small holes in base allow drainage

W×D×H: 200×75×150 mm

Description	Pk	Cat. No.
Pipette stand, PP, 200×75×150 mm	1	612-1812

### Pipette stand



#### White plastic, rectangular, autoclavable

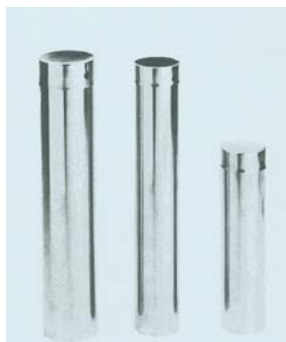
- Sturdy racks hold 50 pipettes in a vertical 5×10 arrangement
- Top and middle levels have 16 mm diameter holes; holes on bottom level are tapered from 16 mm to 6 mm diameter. Pipette tips will not be in contact with table surface
- End plates have handles for easy carrying

W×D×H: 213×114×222 mm

Description	Pk	Cat. No.
Pipette stand, white plastic, 213×114×222 mm	1	612-9998



### Sterilisation boxes for pipettes



#### Stainless steel, with round base, autoclavable

- Can be autoclaved at +121 °C and sterilised at +180 °C
- Bottom and underside of the lid are coated in silicone to minimise the risk of damaging the pipettes during transport and sterilisation

Ø×L (mm)	Pk	Cat. No.
64×280	1	612-2070
64×407	1	612-2068
64×457	1	612-2069



### Sterilisation boxes for pipettes



#### Stainless steel, with square base, autoclavable

- Can be autoclaved at +121 °C and sterilised at +180 °C
- Bottom and underside of the lid are coated in silicone to minimise the risk of damaging the pipettes during transport and sterilisation

W×D×H (mm)	Pk	Cat. No.
50×50×300	1	612-2061
70×70×210	1	612-2062
70×70×290	1	612-2063
70×70×340	1	612-2064
70×70×400	1	612-2067
70×70×430	1	612-2065
70×70×490	1	612-2066



### Pipetting aid, ManuPEP®



Punctiform illuminated working surface helps to keep the target position of the pipette in sight at all times.

- Helps to avoid pipetting errors
- Swifter working times
- Horizontal and vertical pipetting is possible, left- or right-handed operation
- Can be used with 1, 2, 4, 8 and 12-channel micropipettes
- Easy to operate with foot pedal

**Ordering information:** Supplied with 384 and 96-well sample trays and related adaptors, foot pedal, external power supply and instruction manual.

Description	Pk	Cat. No.
ManuPEP®	1	612-3348



Pipette filler, Manupette



The Manupette pipette filler can be used with glass or plastic pipettes from 1 to 100 ml to facilitate the pipetting of a wide range of liquids. The practical arrangement of the controls makes work easier and gives maximum safety during serial pipetting.



- Replaceable hydrophobic membrane filter to protect the instrument from liquid penetration
- Separate buttons for aspirating/dispensing and discharging
- Silicone adapter for leakproof positioning of each pipette

**Ordering information:** Supplied with three separate nose cones in three different colours.

Description	Pk	Cat. No.
Pipette filler Manupette	1	612-4548

Pipette filler, Smoothie™



**For glass and plastic pipettes from 1 to 25 ml**

The Smoothie™ pipette filler is a simple manual pipetting aid for convenient single-handed operations. The unique range control allows selection from a choice of two dispense resolutions. One range setting delivers fast filling with optimal accuracy when used with 10 to 25 ml pipettes, the other setting is for use with pipettes from 1 to 10 ml where accuracy of fill can sometimes be difficult to control.



- Comfortable and simple to use
- Smooth and controllable thumb action
- Silicone adapter for leakproof positioning of each pipette

Description	Pk	Cat. No.
Pipette filler Smoothie	1	612-4546

Pipette controller, macro Brand



**For all pipettes calibrated and graduated from 0,1 to 200 ml, autoclavable**

- The practical arrangement of the functions and the reduced weight make work easier, ensuring maximum safety during serial pipetting
- The hydrophobic membrane filter protects the instrument from liquid penetration
- Aspirates 50 ml in one go in just 12 seconds



Weight: 106 g

Description	Pk	Cat. No.
macro, blue	1	612-1932
macro, grey	1	612-1900
macro, green	1	612-1935
macro, magenta	1	612-1933

Spare parts		
Description	Pk	Cat. No.
Membrane filter 3 µm (PP, PTFE), non sterile	1	612-1965
Membrane filter 3 µm (PP, PTFE), non sterile	10	612-1966
Adapter (silicone) L: 44 mm	1	612-2202
Adapter support (PP) gray, L: 49 mm	1	612-2210
Valve system (PP, PTFE, silicone)	1	612-1904
Suction bellows (silicone) with screw ring (PP)	1	612-1903



### Pipette controller, Accurpette



#### For glass and plastic pipettes from 1 to 100 ml

The pipette controller Accurpette delivers efficient performance with a powerful but quiet motor to speed up large volume pipetting. The mode selection switch enables user to choose between high or low aspirate or dispense speed. An additional gravity dispense mode is designed for use with 'To Deliver' (TD) pipettes.



- Fills a 25 ml pipette in under three seconds on its fastest setting
- Silicone pipette holder
- With replaceable hydrophobic membrane filter for protection of the unit against liquid and for protection of samples against contamination
- Environmentally friendly rechargeable NiMH batteries allow continuous usage for 4 hours
- Equipped with 'Low battery' light, rechargeable during use

**Ordering information:** Supplied with charger, two spare hydrophobic filters (1x 0.45 µm, 1x 0.2 µm), bench stand/wall bracket and instruction manual.

Description	Pk	Cat. No.
Pipette controller Accurpette, EU-charger	1	612-4552
Pipette controller Accurpette, UK-charger	1	612-4553

### Pipette controller, PIPETBOY acu

Integra Biosciences



#### For glass and plastic pipettes from 0,1 to 100 ml

- Light, self-contained
- Powerful suction action controlled using milled screw and easy meniscus adjustment
- Sterile filter for better protection from contamination and greater safety
- Autoclavable pipette mounting sleeve ensures pipette is securely held
- Easy identification of the right controller thanks to colour coding



**Ordering information:** Supplied with a rechargeable 9 V NiMH battery, wall holder, EU mains adapter and 0.45 µm sterile filter.

Description	Pk	Cat. No.
PIPETBOY acu classic	1	612-0926
PIPETBOY acu green	1	613-4437
PIPETBOY acu red	1	612-0927
PIPETBOY acu blue	1	612-0928
PIPETBOY acu violet	1	612-2964
PIPETBOY acu transparent	1	613-4438

Accessories		
Description	Pk	Cat. No.
Filter non sterile 0,45 µm	1	613-4432
Pipette mount, grey, incl. O-ring	1	612-0703
Battery 9-V NiMH	1	612-0923
Separate rapid charger for 2x9-V batteries (including 1 battery)	1	612-0924
Mains adapter EU, 230 VAC	1	612-0645
Mains adapter UK, 230 VAC	1	612-2985

### Pipette controller, PIPETBOY pro

Integra Biosciences



#### For glass and plastic pipettes from 1 to 100 ml

- Extra light, ergonomic pipette controller (190 g)
- Very accurate pipetting by applying variable finger pressure on the pipette triggers
- Maximum pipetting speed: 10 ml/s; adjustable pipetting speed: 2 - 10 ml/s
- Integrated LED provides an optimal illumination of the area around the pipette, ensuring accurate pipetting and prevents eye strain
- High quality NiMH batteries (standard AAA type) give an average of 4000 aspiration and dispensing cycles of 25 ml

**Ordering information:** Supplied complete with spare sterile filter, two batteries, mains adapter and wall mount.

Description	Colour code	Pk	Cat. No.
PIPETBOY pro	Blue	1	612-3717
PIPETBOY pro	Green	1	612-3714
PIPETBOY pro	Orange	1	612-3716
PIPETBOY pro	Pink	1	612-3713
PIPETBOY pro	White	1	612-3711

Accessories			
Description		Pk	Cat. No.
Charging station for PIPETBOY pro		1	612-3718

## Pipette controller, accu-jet® pro

Brand



### For glass and plastic pipettes from 0,1 to 200 ml

- Selection of gravity delivery or powered blow-out using one hand, infinitely adjustable motor speed and control of pipetting speed using pipetting buttons
- Intelligent electronic system prevents overloading
- Flashing LED indicates low battery
- Silently aspirates 50 ml in one go in just 10 seconds
- Operates for up to eight hours with 10 ml pipette
- Can be kept in the wall holder or placed on its back to keep the pipette away from work surfaces

Weight: 190 g

**Ordering information:** Supplied with a rechargeable NiMH battery, two lids for the battery compartment, wall holder, battery charger, two spare 0.2 µm membrane filters.

Description	Pk	Cat. No.
accu-jet® pro, dark blue, with battery charger for EU (230V/50 Hz)	1	612-2625
accu-jet® pro, dark blue, with battery charger for UK (230V/50 Hz)	1	612-2881
accu-jet® pro, magenta, with battery charger for EU (230V/50 Hz)	1	612-2626
accu-jet® pro, magenta, with battery charger for UK (230V/50 Hz)	1	612-2882
accu-jet® pro, green, with battery charger for EU (230V/50 Hz)	1	612-2627
accu-jet® pro, green, with battery charger for UK (230V/50 Hz)	1	612-2883
accu-jet® pro, royal blue, with battery charger for EU (230V/50 Hz)	1	612-2628
accu-jet® pro, royal blue, with battery charger for UK (230V/50 Hz)	1	612-2884

Accessories		
Description	Pk	Cat. No.
Membrane filter, 0,2 µm, sterile, in blister pack	1	612-1963

## Pipette controller, pipetus®

Hirschmann Laborgeräte



### For glass and plastic pipettes from 0,1 to 200 ml

This pipette has a hydrophobic PTFE membrane filter with a porosity of 0,2 µm, intelligent charging technology, no memory effect, and protection against overcharging the batteries ensured by microprocessor control. The 'Speed' key allows you to choose the ideal pipetting speed from the 5 speeds offered, with colour indicator.

- Unique and ecologically sound with up to 50 hr of independent running, cadmium-free NiMH batteries.
- Coloured display allows visual check of the battery charging status, the selected pipetting mode (Ex or Blowout), and the selected speed
- Safe thanks to the safety return valve and highly sensitive valves for precise meniscus adjustment
- Silent due to vibrationless pump motor
- Silicone adapter for entirely leakproof positioning of each pipette

**Ordering information:** Supplied complete with the charger and its plate, two PTFE filters, one safety valve and one wall bracket.

Description	Pk	Cat. No.
pipetus® complete EU-plug	1	612-1874
pipetus® complete UK-plug	1	612-2601

Accessories		
Description	Pk	Cat. No.
Pipette holder complete for pipetus®-junior and pipetus®	1	612-1875
Mains-operated charger unit with charging stand EU-plug	1	612-2600

### Pipette controller, pipetus® -junior

Hirschmann Laborgeräte



**For glass and plastic pipettes from 0,5 to 25 ml**

Full pressure on the fill button allows suction of around 2 ml. By pressing on the empty button, the pipette is emptied gravimetrically and the degree of pressure on the button determines the rate of flow.

- Easy, ergonomic, safe and accurate
- Total expulsion of the liquid simply by pressing the button on the back of the instrument
- The integrated, hydrophobic PTFE membrane filter ensures the pipette is protected against accidental overfilling

Description	Pk	Cat. No.
pipetus®-junior complete	1	612-2604

#### Spare parts

Description	Pk	Cat. No.
Silicone adapter	1	612-2615
Spacer	1	612-2617
Round filter set with one-sided connection (5 filters)	5	612-1982

### Pipette controller, BD Falcon™ Express Pipet-Aid®

BD Biosciences



Pipet-Aid® Express offers three independent and interchangeable speed options.

- Lightweight and portable
- Rapid dispensing speed on demand
- Specially designed filter prevents moisture contamination

**Ordering information:** Includes portable, rechargeable 8.4-V battery and detachable stand.

Description	Pk	Cat. No.
Pipet-Aid® Express BD Falcon™ complete EU-charger	1	613-3954
Pipet-Aid® Express BD Falcon™ complete UK-charger	1	734-1328
Pipet-Aid® Express BD Falcon™ with filtration unit and EU-charger (220 V)	1	734-1415

#### Accessories

Description	Pk	Cat. No.
Rubber insert	2	612-2711
Recharger (220 V, 50 Hz for EU)	1	612-2712
Tissue culture nosepiece with alignment feature	1	612-2713
Disc filters	5	613-3953
Rechargeable battery	1	612-4161
Replacement filter gasket (x2)	1 Set	612-4160
Replacement stand	1	612-4162
Nosepiece housing	1	612-2710
Filtration unit	1	612-4119
Check-valve	1	612-4120

### Safety pipette fillers, Standard / Universal / Flip



Standard

Universal

Flip

**Natural rubber**

- For measuring and volumetric pipettes up to 10 ml (Standard) or 100 ml (Universal/Flip)
- Standard/Universal: Three ventilation valves
- Flip: Only two operating points for easier usage (Release through an automatic removable valve)



Description	Colour	Pk	Cat. No.
Safety pipette filler Standard	Red	1	612-1930
Safety pipette filler Standard	Blue	1	612-2008
Safety pipette filler Universal	Red	1	612-1931
Safety pipette filler Universal	Blue	1	612-2004
Safety pipette filler Universal	Green	1	612-2003
Safety pipette filler Universal	Yellow	1	612-2005
Safety pipette filler Flip	Red	1	612-1920
Safety pipette filler Flip	Blue	1	612-1947

### Bulbs for pipettes



#### Natural latex

- For Pasteur pipettes, small pipettes, and medical drop counters

Capacity: 1 - 2 ml

Length: 38 - 57 mm

Description	Pk	Cat. No.
Dropper bulbs, 1 ml, 38 mm	72	612-2691
Dropper bulbs, 2 ml, 57 mm	72	612-2693



### Bulbs for pipettes



#### Rubber

- Ease of use
- For repeat sampling
- Longer lifetime compared to teats, good glass adherence protects tubing

Description	Pk	Cat. No.
Bulb for pipettes, 1 ml, green	1	612-1940
Bulbs for pipettes, 1 ml, green, 10/package	10	612-2325
Bulb for pipettes, 2 ml, grey	1	612-1941
Bulbs for pipettes, 2 ml, grey, 10/package	10	612-2327
Bulb for pipettes, 5 ml, yellow	1	612-1942
Bulbs for pipettes, 5 ml, yellow, 10/package	10	612-2837
Bulb for pipettes, 10 ml, blue	1	612-1943
Bulbs for pipettes, 10 ml, blue, 10/package	10	612-2330
Bulb for pipettes, 15 ml, red	1	612-1944
Bulbs for pipettes, 15 ml, red, 10/package	10	612-2331

VWR.COM  
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The local website with global reach

### Burettes, straight stopcock, Schellbach, BLAUBRAND®

Brand



With PTFE spindle

**DURAN®**, borosilicate glass, class AS

- Calibrated to deliver 'Ex', conformity certified
- Schellbach stripe, ring marks at major graduations
- Marks and inscriptions in high contrast blue enamel represent the optimum combination of resistance and readability

DIN EN ISO 385  
Length: 800 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
<b>Stopcock with PTFE spindle</b>				
10	0,02	0,02	1	612-9958
25	0,05	0,03	1	612-9959
50	0,10	0,05	1	612-9960
<b>Stopcock with glass key</b>				
10	0,02	0,02	1	612-9961
25	0,05	0,03	1	612-9962
50	0,10	0,05	1	612-9963

### Burettes, straight stopcock, Schellbach

Hirschmann Laborgeräte



Straight stopcock with PTFE spindle



Straight stopcock with glass spindle

**DURAN®**, borosilicate glass, class AS

- Calibrated to deliver 'Ex', conformity certified with dated batch identification
- Schellbach stripe, ring marks at major graduations, blue graduations

DIN EN ISO 385  
Scale length: 500 mm

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
<b>Straight stopcock with PTFE spindle</b>				
10	0,02	0,02	1	612-3552
25	0,05	0,03	1	612-3553
50	0,10	0,05	1	612-3554
<b>Straight stopcock with glass spindle</b>				
10	0,02	0,02	1	612-9811
25	0,05	0,03	1	612-9812
50	0,10	0,05	1	612-9813

### Automatic burettes, Dr. Schilling pattern, SILBERBRAND

Brand



**AR-Glas®**, class B

- Calibrated to deliver 'Ex'
- Schellbach stripe, reduced distance between subdivision marks
- Automatic zeroing, squeezing bottle allows rapid filling, micrometer screw allows fine titration

DIN EN ISO 385

With bottle: 500 ml for 10 and 15 ml; 1000 ml for 25 and 50 ml

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
10	0,05	0,05	1	612-9920
15	0,1	0,08	1	612-9921
25	0,1	0,08	1	612-9922
50	0,1	0,10	1	612-9923

### Automatic burettes, Dr. Schilling pattern, Schellbach

Hirschmann Laborgeräte



**DURAN®**, borosilicate glass, silicone tubing, PVC rod, PE bottle and PP base

- Schellbach stripe, blue graduations
- Automatic zeroing, squeezing bottle allows rapid filling, micrometer screw allow fine titration

With bottle: 500 ml for 5 and 15 ml; 1000 ml for 15, 25 and 50 ml

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
5	0,05	0,03	1	612-9936
10	0,05	0,03	1	612-9937
15	0,1	0,045	1	612-9938
25	0,1	0,045	1	612-9939
50	0,1	0,075	1	612-9940

**Plastic foot for Schilling flasks**

Description	Pk	Cat. No.
PP base for 500 ml Schilling bottles	1	612-2802
PP base for 1000 ml Schilling bottles	1	612-2803

### Automatic burettes, Pellet pattern, with intermediate stopcock, Schellbach, BLAUBRAND®

Brand



With PTFE spindle and key

**DURAN®**, borosilicate glass, class AS, conformity certified

- Calibrated to deliver 'Ex'
- Schellbach stripe, ring marks at major graduations
- Automatic zeroing, intermediate stopcock to recirculate residual liquid

DIN EN ISO 385

**Delivery information:** Supplied with 2 litre glass reservoir bottle.

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
<b>Needle-valve stopcock (PTFE key in intermediate stopcock)</b>				
10	0,02	0,02	1	612-9910
25	0,05	0,03	1	612-9911
50	0,10	0,05	1	612-9912
<b>Glass stopcock (glass key in intermediate stopcock)</b>				
10	0,02	0,02	1	612-9913
25	0,05	0,03	1	612-9914
50	0,10	0,05	1	612-9915

### Burettes, Pellet pattern, lateral and intermediate stopcocks, Schellbach

Hirschmann Laborgeräte



Stopcocks with glass key



Stopcocks with PTFE key

**DURAN®**, class AS

- Calibrated to deliver 'Ex', conformity certified with dated batch identification
- Schellbach stripe, ring marks at major graduations, blue graduations
- Automatic zeroing, glass spindle and with intermediate stopcock

DIN EN ISO 385

Capacity (ml)	Division (ml)	Tolerance (± ml)	Pk	Cat. No.
<b>Lateral and intermediate stopcocks with glass key with reservoir 2 litre bottle</b>				
10	0,02	0,02	1	612-9930
25	0,05	0,03	1	612-9931
50	0,1	0,05	1	612-9932
<b>Lateral and intermediate stopcocks with PTFE key with reservoir 2 litre bottle</b>				
10	0,02	0,02	1	612-9933
25	0,05	0,03	1	612-9934
50	0,1	0,05	1	612-9935
<b>Lateral and intermediate stopcocks with glass key without reservoir 2 litre bottle</b>				
10	0,02	0,02	1	612-4097
25	0,05	0,03	1	612-4098
50	0,1	0,05	1	612-4099
<b>Lateral and intermediate stopcocks with PTFE key without reservoir 2 litre bottle</b>				
10	0,02	0,02	1	612-4100
25	0,05	0,03	1	612-4101
50	0,1	0,05	1	612-4103

### Pressure bulbs



#### Rubber

Description	Pk	Cat. No.
Pressure bulb	1	612-2335
Special ball with tube for filling an automatic burette	1	612-2333
Double pressure bulb	1	612-2337

### Pressure bulbs



PVC (612-9952) / PVC + natural rubber (612-9953)

Description	Pk	Cat. No.
Atomiser bulb with pressure valve, reddish-brown, size 3 (65 ml)	1	612-9952
Bulb set with net, black, size 5 (102 ml)	1	612-9953

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Bottle Top Dispensers

34

Digital Burettes

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Dispensers and burettes

### Bottle-top dispensers, Volupette



#### Variable volume, autoclavable

The Volupette is a variable bottle-top dispenser that can be used as a manually primed unit or, once fitted with the supplied spring, converted to a fully self-priming dispenser. The dispense volume is easily adjusted by rotating the top knob to move the indicator to the desired setting.

- Wetted parts autoclavable at 121 °C
- Easily removable PTFE piston for smooth action and easy cleaning
- Safety pedestal valve allows the Volupette to be turned off to prevent accidental delivery, whilst ensuring it is drip-free
- Easy to disassemble glass barrel for thorough cleaning
- With standard 30 mm bottle neck fitting

**Ordering information:** Supplied with three bottle neck adapters (38, 40 and 45 mm), spring, calibration certificate and instruction manual.

Volume (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0 - 30	±0,3	<0,1	1	613-5281



### Bottle-top dispensers



#### Variable volume, autoclavable

The standard PP unit with glass cylinder is suitable for aqueous liquids, dilute acids and alkalis - not for use with solvents and hydrofluoric acid which attacks PP. For bottles with GL 32 thread.

- PP with precision glass cylinder
- Quick and easy to use volume setting system
- Additional rotating fine volume adjustment for right or left-handed use
- Adaptor allows rotation of the dispenser on bottles to the desired position

**Delivery information:** Supplied with two adaptors (GL 40 and GL 45), certificate and individually numbered.

Volume (ml)	Division (ml)	Pk	Cat. No.
2 - 10	0,20	1	612-4750
10 - 50	0,50	1	612-4751

#### Glass cylinder and PTFE encased glass piston with PP body

Suitable for aggressive liquids.

Volume (ml)	Division (ml)	Pk	Cat. No.
2 - 10	0,20	1	612-3669
10 - 50	0,50	1	612-3670

#### Amber glass cylinder, clear glass piston with PP body

Suitable for light sensitive liquids.

Volume (ml)	Division (ml)	Pk	Cat. No.
2 - 10	0,20	1	612-3671
10 - 50	0,50	1	612-3672



### Bottle-top dispensers, seripettor® and seripettor® pro

Brand



#### Variable volume, autoclavable without the dispensing unit

The seripettor® and seripettor® pro with innovative design fit most bottles. A lifting spring provides automatic filling. When the piston seal is worn out, the entire dispensing unit can be quickly exchanged by the user, without tools (no expensive repairs).

- Low-cost replaceable cartridge with seal
- Semi-automatic dispensing: Spring-loaded piston refills the cylinder after use
- Volume setting: Indented track for quick and exact setting of volume
- Can be disassembled without tools, easy cleaning and maintenance
- seripettor® for alkaline, buffer solutions and culture media, e.g. agar nutrient medium, up to 60 °C
- seripettor® pro for dispensing many acidic, alkaline and saline solutions, as well as solvents such as essential oils

**Ordering information:** Supplied with a discharge tube, a filling tube, one spare dispensing unit and PP adapters (GL 45/32 and GL 45/S40).

Volume (ml)	Division (ml)	Accuracy	Imprecision (%)	Pk	Cat. No.
<b>seripettor® pro</b>					
0,2 - 2	0,04	±1,2	<0,2	1	613-1648
1 - 10	0,20	±1,2	<0,2	1	612-5625
2,5 - 25	0,50	±1,2	<0,2	1	612-5626
<b>seripettor®</b>					
0,2 - 2	0,04	±1,2	<0,2	1	613-1649
1 - 10	0,20	±1,2	<0,2	1	612-3217
2,5 - 25	0,50	±1,2	<0,2	1	612-3218

<b>Accessories</b>					
Description				Pk	Cat. No.
Caps, PP, for closing the valve block, autoclavable, 10 ml				1	612-5673
Caps, PP, for closing the valve block, autoclavable, 25 ml				1	612-5674
Discharge tube, PP, incl. closure cap and EPDM discharge valve				1	612-5629
Dispensing cartridges, piston in PE, cylinder in PP, 2 ml, non sterile				3	613-1650
Dispensing cartridges, piston in PE, cylinder in PP, 10 ml, non sterile				3	612-5627
Dispensing cartridges, piston in PE, cylinder in PP, 25 ml, non sterile				3	612-5628
Dispensing cartridges, piston in PE, cylinder in PP, 10 ml, sterile (single packed)				7	612-5634
Dispensing cartridges, piston in PE, cylinder in PP, 2 ml, sterile (single packed)				7	613-1651
Dispensing cartridges, piston in PE, cylinder in PP, 25 ml, sterile (single packed)				5	612-5635
Filling tubes, PP, 250 mm				2	612-5630
Filling tubes, PP, 500 mm				2	612-5631
Filling tubes, PP, 250 mm, with O-ring				1	612-5636
Filling tubes, PP, 500 mm, with O-ring				1	612-5637
Flexible discharge tubing, PTFE, coiled, 800 mm, with handle (2 + 10 ml)				1	612-5633
Flexible discharge tubing, PTFE, coiled, 800 mm, with handle (25 ml)				1	613-1652
Valve set (1 filling valve, 1 discharge valve, 2 seals)				1	612-5632

## Bottle-top dispensers, Dispensette® III

### Brand



#### Fixed or variable volume, autoclavable

For dispensing aggressive reagents such as concentrated acids (e.g. H<sub>3</sub>PO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>), concentrated alkalis (e.g. NaOH, KOH), saline solutions, and many organic solvents. Parts that are in contact with the liquid are made from borosilicate glass, ceramic, platinum-iridium, ETFE, FEP, PFA and PP (safety cap for the discharge tube). Colour code: Red.

- SafetyPrime™ valve (optional) for recirculation of reagent during priming
- Digital volume display for precise, reproducible dispensing - Easy Calibration models
- Conformity certified, easy calibration and adjustments according to ISO 9001 and GLP (Easy Calibration models)

**Ordering information:** Supplied with a discharge tube, telescopic filling tube, mounting tool, PP adapters, and a certificate of performance. SafetyPrime™ recirculation valve available separately.

Volume (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Fixed volume, without SafetyPrime™ recirculation valve</b>				
1	±0,5	<0,1	1	613-3316
2	±0,5	<0,1	1	613-3318
5	±0,5	<0,1	1	613-3320
10	±0,5	<0,1	1	613-3322

<b>Fixed volume, with SafetyPrime™ recirculation valve</b>				
1	±0,5	<0,1	1	613-3317
2	±0,5	<0,1	1	613-3319
5	±0,5	<0,1	1	613-3321
10	±0,5	<0,1	1	613-3323

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Variable volume, without SafetyPrime™ recirculation valve</b>					
0,05 - 0,5	0,01	±1,0	<0,2	1	613-3302
0,2 - 2	0,05	±0,5	<0,1	1	613-3304
0,5 - 5	0,10	±0,5	<0,1	1	613-3306
1,0 - 10	0,20	±0,5	<0,1	1	613-3308
2,5 - 25	0,50	±0,5	<0,1	1	613-3310
5,0 - 50	1,00	±0,5	<0,1	1	613-3312
10 - 100	1,00	±0,5	<0,1	1	613-3314

<b>Variable volume, with SafetyPrime™ recirculation valve</b>					
0,05 - 0,5	0,01	±1,0	<0,2	1	613-3303
0,2 - 2	0,05	±0,5	<0,1	1	613-3305
0,5 - 5	0,10	±0,5	<0,1	1	613-3307
1,0 - 10	0,20	±0,5	<0,1	1	613-3309
2,5 - 25	0,50	±0,5	<0,1	1	613-3311
5,0 - 50	1,00	±0,5	<0,1	1	613-3313
10 - 100	1,00	±0,5	<0,1	1	613-3315

# Dispensers and Burettes

## Bottle Top Dispensers

Digital Easy Calibration, without SafetyPrime™ recirculation valve						
0,2 - 2	0,01	±0,5	<0,1	1	613-3324	
0,5 - 5	0,02	±0,5	<0,1	1	613-3326	
1,0 - 10	0,05	±0,5	<0,1	1	613-3328	
2,5 - 25	0,10	±0,5	<0,1	1	613-3330	
5,0 - 50	0,20	±0,5	<0,1	1	613-3332	
Digital Easy Calibration, without SafetyPrime™ recirculation valve						
0,2 - 2	0,01	±0,5	<0,1	1	613-3325	
0,5 - 5	0,02	±0,5	<0,1	1	613-3327	
1,0 - 10	0,05	±0,5	<0,1	1	613-3329	
2,5 - 25	0,10	±0,5	<0,1	1	613-3331	
5,0 - 50	0,20	±0,5	<0,1	1	613-3333	
Description					Pk	Cat. No.
Accessories						
Filling valve with olive-shaped nozzle and sealing ring					1	613-3741

## Bottle-top dispensers, Dispensette® Organic Brand

### Fixed or variable volume, autoclavable

For dispensing organic solvents such as chlorinated and fluorinated hydrocarbons (e.g.: trichlorotrifluoroethane and dichloromethane), concentrated acids (e.g.: HCl and HNO<sub>3</sub>), trifluoroacetic acid (TFA), tetrahydrofuran (THF), and peroxides. Parts in contact with the liquid are made from borosilicate glass, ceramic, tantalum, ETFE, FEP, PFA and PP (safety cap for the discharge tube). Colour code: Yellow.

- SafetyPrime™ valve (optional): For recirculation of reagent during priming
- Digital volume display for precise, reproducible dispensing - Easy Calibration models only
- Conformity certified, easily calibrated and adjusted to comply with ISO 9001 standards and GLP (Easy Calibration models)

**Ordering information:** Supplied with discharge tube, telescopic filling tube, mounting tool, PP adapters, and certificate of performance. SafetyPrime™ recirculation valve available separately.



Volume (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.	
Fixed volume, without SafetyPrime™ recirculation valve					
5	±0,5	<0,1	1	613-0191	
10	±0,5	<0,1	1	613-0193	
Fixed volume, with SafetyPrime™ recirculation valve					
5	±0,5	<0,1	1	613-0192	
10	±0,5	<0,1	1	613-0194	
Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
Variable volume, without SafetyPrime™ recirculation valve					
0,5 - 5	0,10	±0,5	<0,1	1	613-3334
1 - 10	0,20	±0,5	<0,5	1	613-3336
2,5 - 25	0,50	±0,5	<0,5	1	613-3338
5 - 50	1,00	±0,5	<0,1	1	613-3340
10 - 100	1,00	±0,5	<0,1	1	612-5648
Variable volume, with SafetyPrime™ recirculation valve					
0,5 - 5	0,10	±0,5	<0,1	1	613-3335
1 - 10	0,20	±0,5	<0,1	1	613-3337
2,5 - 25	0,50	±0,5	<0,1	1	613-3339
5 - 50	1,00	±0,5	<0,1	1	613-3341
10 - 100	1,00	±0,5	<0,1	1	612-5649
Digital Easy Calibration, without SafetyPrime™ recirculation valve					
0,5 - 5	0,02	±0,5	<0,1	1	613-3342
1 - 10	0,05	±0,5	<0,1	1	613-3344
2,5 - 25	0,10	±0,5	<0,1	1	613-3346
5 - 50	0,20	±0,5	<0,1	1	613-3348
Digital Easy Calibration, with SafetyPrime™ recirculation valve					
0,5 - 5	0,02	±0,5	<0,1	1	613-3343
1 - 10	0,05	±0,5	<0,1	1	613-3345
2,5 - 25	0,10	±0,5	<0,1	1	613-3347
5 - 50	0,20	±0,5	<0,1	1	613-3349



## Remote dispenser for Dispensette® III and Organic Brand



This system is designed for dispensing exact volumes of liquid directly from large-volume or reusable drums. The Dispensette® can be mounted on the wall, on the stand, or on lab shelves or tables. **Caution:** Never use the dispensing system with a SafetyPrime™ recirculation valve, pressurised tanks, peroxides (catalytic reaction), carbon disulphide (risk of explosion), and liquids attacking borosilicate glass, Al<sub>2</sub>O<sub>3</sub> ceramics, PFA, ETFE, FEP and PTFE.

- Filtering membrane to prevent contamination of high-purity reagents
- Quick coupling with integrated valves for changing quickly from one drum to another
- The Dispensette® connection/dispensing system allows the pump to be placed 10 m from the distribution point, the maximum height of the outlet being 1,2 m

**Ordering information:** Basic device does not include the Dispensette®.

Description	Pk	Cat. No.
Remote dispenser, for drums with 3/4" inner thread, supplied without Dispensette®	1	612-5606

## Bottle-top dispensers, Dispensette® HF

Brand



### Variable volume, autoclavable

For dispensing hydrofluoric acid up to a maximum concentration of 52%. Parts in contact with the liquid are made from ceramic, platinum-iridium, ETFE, FEP, PFA and PP - Safety cap for the discharge tube. Colour code: Green.



- SafetyPrime™ valve (optional): Air recirculation via internal circuit
- Assembled directly onto the bottle
- Easy disassembly and cleaning; simple calibration adjustment with supplied tool
- Conformity certified
- Fast volume adjustment

**Ordering information:** Supplied with performance certificate, discharge tube, telescopic filling tube, SafetyPrime™ recirculation valve (optional), mounting tool and PP adapters.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Without SafetyPrime™ recirculation valve</b>					
1 - 10	0,20	±0,5	<0,1	1	613-3300
<b>With SafetyPrime™ recirculation valve</b>					
1 - 10	0,20	±0,5	<0,1	1	613-3301

## Accessories for Dispensette®

Brand

Description	Length (mm)	Pk	Cat. No.
Flexible discharge tubing, PTFE, coiled, with handle, 1 - 10 ml	800	1	612-5588
Flexible discharge tubing, PTFE, coiled, with handle, 25 - 100 ml	800	1	612-5590
Discharge tube with integrated valve and fine tip for Dispensette® III, 0,5/1/ 2/ 5/10 ml	90	1	612-5594
Discharge tube with integrated valve for Dispensette® III, 5/10 ml	90	1	612-5595
Discharge tube with integrated valve for Dispensette® III, 25/50/100 ml	120	1	612-5597
Discharge tube with integrated valve and fine tip for Dispensette® III, 25/50/100 ml	120	1	612-5598
Discharge tube with integrated valve for Dispensette® HF, 5/10 ml	90	1	613-1661
Discharge tube with integrated valve and fine tip for Dispensette® Organic, 0,5/1/2/5/10 ml	90	1	613-1662
Discharge tube with integrated valve for Dispensette® Organic, 5/10 ml	90	1	613-1663
Discharge tube with integrated valve and fine tip for Dispensette® Organic, 25/50/100 ml	120	1	613-1664
Filling tube, FEP, 1 m, Ø 6,9 mm, for Dispensette® III/Organic		1 m	612-5676
Filling tube, FEP, 10 m, Ø 7,6 mm, for Dispensette® III/Organic		10 m	612-5675
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	70 - 140	1	612-5600
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	125 - 240	1	613-3438
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	195 - 350	1	612-9991
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	250 - 480	1	613-3437
Adapter, PP, GL 32 outer thread for GL 28 ground joint		1	613-3439
Adapter, PP, GL 32 outer thread for GL 30 ground joint		1	613-3440
Thread adapter, steel, out. thread 2", in. thread 3/4", for Dispensette® III/Organic		1	612-5677
Thread adapter, PTFE, with GL out. thread, in. thread 3/4" - GL 32, for Dispensette® III/Organic		1	612-5678
Drying tube and seal, without drying agent		1	613-3444
SafetyPrime™ recirculation valve, 1 - 100 ml		1	613-3441
SafetyPrime™ recirculation valve, 0,5 ml		1	613-3477
SafetyPrime™ recirculation valve		1	613-0469
SafetyPrime™ recirculation valve for Dispensette® Organic		1	613-0470
Support rod connector for wall mounting unit, for Dispensette® III/Organic		1	612-5680
Shelf clamp for wall mounting unit, for Dispensette® III/Organic		1	612-5679

### Bottle-top dispensers, Dispensette® TA

Brand



#### High purity chemicals for trace analysis (TA), variable volume

The Dispensette® TA provides precise-volume dispensing. Parts in contact with media are made of high-purity materials, such as PTFE, ETFE, FEP, and PFA. The purest Al<sub>2</sub>O<sub>3</sub>-sapphire is used for replaceable valves and, depending on the application, platinum-iridium or tantalum as spring materials. The Dispensette® TA is designed for dispensing high-purity media (e.g. concentrated nitric acid), bases (e.g. sodium hydroxide) and hydrogen peroxide. It is also suitable for dispensing hydrofluoric acid (HF) and bromine. Using the device without the SafetyPrime™ recirculation valve is recommended when contamination of the bottle contents must be avoided.

- Standard 45 mm thread plus the included adapters fit common bottles and telescoping filling tube adjusts to different sizes
- Valve block can be rotated 360° so that the bottle label always faces the user for safety
- Quick setting of the desired volume
- Complete dispensing cartridge is easily replaceable when piston seal is worn, and calibration of replacement dispensing cartridge is not required (fully adjusted at factory and performance certified)
- Limitations of use: Vapour pressure up to 600 mbar, kinematic viscosity max. 500 mm<sup>2</sup>/s, temperature up to 40 °C, density max. 3,8 g/cm<sup>3</sup>

**Delivery information:** Each Dispensette® TA is conformity certified and supplied with performance certificate, discharge tube, telescoping filling tube, SafetyPrime™ recirculation valve and recirculation tube (optional), mounting tool and bottle adapters GL 28 / S 28 (ETFE), GL 32 (ETFE) and S 40 (PTFE), and operating manual.

Type	Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Without SafetyPrime™ recirculation valve</b>						
Platinum-iridium valve spring	1 - 10	0,20	≤ ±0,5	≤0,1	1	613-1563
Tantalum valve spring	1 - 10	0,20	≤ ±0,5	≤0,1	1	613-1565
<b>With SafetyPrime™ recirculation valve</b>						
Platinum-iridium valve spring	1 - 10	0,20	≤ ±0,5	≤0,1	1	613-1564
Tantalum valve spring	1 - 10	0,20	≤ ±0,5	≤0,1	1	613-1566

Accuracy and precision: Calibrated to deliver (TD, Ex). Error limits relate to the nominal capacity (= maximum volume) indicated on the instrument, obtained when instrument and distilled water are equilibrated at ambient temperature (20 °C/68 °F). Testing takes place with uniform and smooth dispensing. Error limits are within the limits of DIN EN ISO 8655 6.

<b>Accessories</b>			
Description	Length (mm)	Pk	Cat. No.
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	70 - 140	1	612-5600
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	125 - 240	1	613-3438
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	195 - 350	1	612-9991
Telescopic filling tube, FEP, 0,5/1/2/5/10 ml, o. Ø 6 mm	250 - 480	1	613-3437
Discharge tube with integrated valve for Dispensette® TA, Platinum-iridium		1	613-1561
Discharge tube with integrated valve for Dispensette® TA, Tantalum		1	613-1562
Filling valve (sapphire) with seal, for Dispensette® TA and HF		1	613-1550
SafetyPrime™ recirculation valve spring, Platinum-iridium		1	613-1559
SafetyPrime™ recirculation valve spring, Tantalum		1	613-1560
Dispensing cartridge with safety ring, nominal vol. 10 ml, calibrated, incl. quality certificate		1	613-1767

## Bottle-top dispensers, ceramus®

Hirschmann Laborgeräte



### Fixed or variable volume, autoclavable

- Micrometric adjustment knob for fine tuning
- Ceramic piston is unbreakable, extremely precise and undergoes practically no thermal expansion
- Convenient recirculation system for rapid flushing with no loss of reagents

**Ordering information:** Supplied with A 45 thread, three adapters (A 32, A 38, S 40), one aspiration tube with screw connection, serial number and quality certificate.

#### Fixed volume

Volume (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
1	±0,6	<0,1	1	613-3224
2	±0,5	<0,1	1	613-3228
5	±0,5	<0,1	1	613-3232
10	±0,5	<0,1	1	613-3237
25	±0,5	<0,1	1	613-3244
50	±0,5	<0,1	1	613-3254

#### Variable volume

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0,2 - 1,0	0,05	±0,6	<0,1	1	613-3223
0,4 - 2,0	0,05	±0,5	<0,1	1	613-3227
1,0 - 5,0	0,10	±0,5	<0,1	1	613-3231
2,0 - 10,0	0,25	±0,5	<0,1	1	613-3236
5,0 - 30,0	0,50	±0,5	<0,1	1	613-3243
10,0 - 60,0	1,00	±0,5	<0,1	1	613-3253

#### Accessories

Description	Pk	Cat. No.
Flexible discharge tube unit, spiral-shaped, ~1 m, FEP	1	612-0917
Adapter A 45 to A 32, PP	1	612-0918
Adapter A 45 to A 38, PP	1	612-0919
Adapter A 45 to S 40, PP	1	612-0920



## Bottle-top dispensers, ceramus® -classic

Hirschmann Laborgeräte



### Fixed or variable volume, autoclavable

- Micrometric adjustment knob for fine tuning
- Ceramic piston
- Conformity certified

**Ordering information:** Supplied with A 32 thread, three adapters (A 28, A 45, S 40), one aspiration tube with screwed connection, one evacuation tube, a serial number and quality certificate.



#### Fixed volume

Volume (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
1	±0,6	<0,2	1	613-3221
2	±0,6	<0,2	1	613-3226
5	±0,6	<0,2	1	613-3230
10	±0,6	<0,2	1	613-3235
25	±0,6	<0,2	1	613-3240
50	±0,6	<0,2	1	613-3252

#### Variable volume

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0,2 - 1,0	0,05	±0,6	<0,2	1	613-3219
0,4 - 2,0	0,05	±0,6	<0,2	1	613-3225
1,0 - 5,0	0,10	±0,6	<0,2	1	613-3229
2,0 - 10,0	0,25	±0,6	<0,2	1	613-3233
5,0 - 30,0	0,50	±0,6	<0,2	1	613-3239
10,0 - 60,0	1,00	±0,6	<0,2	1	613-3250

### Bottle-top dispenser, ceramus® HF

Hirschmann Laborgeräte



#### Variable volume, autoclavable

- Multi purpose dispenser for hydrofluoric acid and very aggressive liquids
- Micrometric adjustment knob for fine tuning
- Piston, cylinder, seat, and valve ball made from pure ceramic, valve spring made from platinum/iridium
- Convenient recirculation system for rapid flushing with no loss of reagents
- Conformity certified

**Ordering information:** Supplied with A 45 thread, three adapters (A 32, A 38, S 40), one aspiration tube with screw connection, serial number, and quality certificate.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
2 - 10	0,25	±0,6	<0,2	1	613-3238



### Bottle-top dispensers, EM-dispenser

Hirschmann Laborgeräte



#### PP with glass piston, variable volume, autoclavable

- For mild, aqueous media or organic liquids that do not attack PP
- Micrometric adjustment knob for fine tuning
- Conformity certified

**Ordering information:** Supplied with A 32 thread, three adapters (A 28, A 45, S 40), an aspiration tube with screw connection, an evacuation tube, a serial number and a quality certificate.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
2 - 10	0,25	±0,6	<0,2	1	613-3234
10 - 60	1,00	±0,6	<0,2	1	613-3251



### Bottle-top dispensers and titrators, opus®

Hirschmann Laborgeräte



opus® Dispenser

Safe and reliable, these bottle-top dispensers and titrators provide extremely sensitive, motor-powered dispensing precision. These devices operate with remote touch screen controllers that give complete control over all functions.

- Controllers feature menu guided user instructions with tab cards on an external coloured TFT touch screen
- Stepper function offering the ability to dispense several volume increments from a single cylinder fill
- Pumps equipped with ceramic compound piston seals for excellent durability and electronic protection. A return valve at base of pump helps reduce costs by enabling users to prime the pump and return liquids to the bottle
- Optional silicone system platform neatly organises all components by securely combining bottle and pump and providing a convenient space for controller placement
- Other options: Battery pack to operate independently from any power outlet, language selection (English, German, French, and Spanish), specification of suction and dispensing speed, and the capacity for up to 10 different memory settings further enhance the versatility of the controllers



PC interface: RS232 or USB

Accuracy: 0,6% - Dispenser 10/20/50 ml; 0,5% - Titrator 20/50 ml

Precision (CV): 0,2% - Dispenser 10/20/50 ml; 0,07/0,07/0,05% - Titrator 10/20/50 ml

**Ordering information:** Supplied as complete kits with a bottle-top mounted pump, a remote controller and an individual calibration certificate.

Description	Volume (ml)	Pk	Cat. No.
opus® Dispenser 10 ml, 230 V, EU plug	10	1	613-1594
opus® Dispenser 10 ml, 230 V, UK plug	10	1	613-1595
opus® Dispenser 20 ml, 230 V, EU plug	20	1	613-0755
opus® Dispenser 20 ml, 230 V, UK plug	20	1	613-0757
opus® Dispenser 50 ml, 230 V, EU plug	50	1	613-0756
opus® Dispenser 50 ml, 230 V, UK plug	50	1	613-0758
opus® Titrator 10 ml, 230 V, EU plug	10	1	613-1596
opus® Titrator 10 ml, 230 V, UK plug	10	1	613-1597
opus® Titrator 20 ml, 230 V, EU plug	20	1	613-0761
opus® Titrator 20 ml, 230 V, UK plug	20	1	613-0763
opus® Titrator 50 ml, 230 V, EU plug	50	1	613-0762
opus® Titrator 50 ml, 230 V, UK plug	50	1	613-0764



Silicone platform

Accessories			
Description	Length (m)	Pk	Cat. No.
Remote dispenser controller, UK-plug		1	613-0772
Remote titration controller, UK-plug		1	613-0775
Silicone platform, grey		1	613-0777
Connecting cable (Data Power Cable) between basic unit and module	0,75	1	613-0780
Connecting cable (Data Power Cable) between basic unit and module	2	1	613-0781
Connecting cable (Data Power Cable) between basic unit and module	5	1	613-0782
Battery pack for wireless applications		1	613-0783

## Bottle-top dispensers, Varispenser® and Varispenser® plus Eppendorf



### Variable volume, autoclavable

Dispensers used for accurate collection and dispensing of small volumes of liquid with no reagent loss. They provide a protection against contact with solvents and hazardous or corrosive liquids for both personnel and the immediate laboratory environment.



- Fitted directly on the bottle
- 32 mm thread for the three smallest Varispenser®/Varispenser® plus models or 45 mm thread for the three largest Varispenser®/Varispenser® plus models
- Telescopic filling tube can be adapted for bottle depths from 21 to 37 cm
- Simple, fast, and extremely accurate display of volume
- Varispenser® plus equipped with a safety valve for recirculating liquids back into the bottle during priming

EN ISO 8655

**Ordering information:** Supplied with a 220 mm telescopic filling tube, wrench and three adapters: 28, 40 and 45 mm (for the three smaller Varispenser®/Varispenser® plus models) or with a 250 mm filling tube, wrench and three adapters: 32, 38 and 40 mm (for the 3 larger Varispenser®/Varispenser® plus models).

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Varispenser®</b>					
0,5 - 2,5	0,05	±0,6	<0,1	1	613-3654
1,0 - 5,0	0,10	±0,5	<0,1	1	613-3655
2 - 10	0,20	±0,5	<0,1	1	613-3656
5 - 25	0,50	±0,5	<0,1	1	613-3657
10 - 50	1,00	±0,5	<0,1	1	613-3658
20 - 100	2,00	±0,5	<0,1	1	613-3659
<b>Varispenser® plus</b>					
0,5 - 2,5	0,05	±0,6	<0,1	1	613-3661
1,0 - 5,0	0,10	±0,5	<0,1	1	613-3662
2,0 - 10	0,20	±0,5	<0,1	1	613-3663
5,0 - 25	0,50	±0,5	<0,1	1	613-3664
10 - 50	1,00	±0,5	<0,1	1	613-3665
20 - 100	2,00	±0,5	<0,1	1	613-3666

### Digital burette, Titras Pro



The Titras Pro digital burette combines modern design, convenient use and accuracy in one instrument. The robust outer casing does not move during the priming or dispensing sequences whilst its PTFE plunger and borosilicate glass barrel allow dispensing of aqueous solutions and some aggressive liquids. The Titras Pro is powered by a 3,6 V lithium battery giving a minimum life of 60 000 three-minute titrations. An automatic low battery indicator shows on the large easy to read LCD window. Simple user calibration and factory reset for ISO 9000 and GLP requirements.

- Continuous display of volume dispensed with zero reset feature for multiple titrations
- Automatic switch-off when left unattended without losing the previous titration volume
- Chemically resistant and autoclavable liquid-path components
- Safety pedestal valve allows the burette to be turned off to prevent accidental delivery
- With standard 30 mm bottle neck fitting

**Ordering information:** Supplied with three bottle neck adapters (38, 40 and 45 mm), calibration certificate and instruction manual.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0 - 50	0,01	±0,2	<0,1	1	613-5287

### Digital burettes, Titrette® Brand



#### Variable volume

Titrate quickly and reliably with highest precision, even in close quarters, with no power connection needed – in the lab, in production or in the field.

The Titrette® has an innovative measuring system – the tight error limits of Class A glass burettes as per DIN EN ISO 385 are met.

- Light and flexible burette with compact design and high accuracy - precise titration within the error limits of Class A
- Smooth-running operation with large, easy-grip hand wheels for sensitive, dropwise titration
- Four additional functions for easier use: Adjustment with Easy Calibration, calibration schedule to save a date for the next calibration, save power with Auto-Power-Off, change decimal place settings
- Easy to dismantle: Cleaning, maintenance and part replacement
- PC interface - optional - for data transmission directly to the PC, which eliminates transmission errors during transcription of the primary data to fulfill an important GLP requirement

**Ordering information:** Titrette® bottle-top burette, conformity certified, supplied with performance certificate, telescoping filling tube (170 - 330 mm), recirculation tube, two micro batteries (AAA/UM4/LR03), three bottle adapters PP (GL 45/32, GL 45/S 40 and GL 32/NS 29/32), two coloured light shield inspection windows, operating manual. Additional items supplied when ordering the Titrette® with PC interface: Connector cable - Sub-D plug connector, 9-pin - and a CD with driver software, communication protocol, example application and a special operating manual.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Standard</b>					
25	0,001	±0,07	<0,025	1	613-0795
50	0,002	±0,06	<0,02	1	613-0796
<b>With RS232 interface</b>					
25	0,001	±0,07	<0,025	1	613-0905
50	0,002	±0,06	<0,02	1	613-0906

Error limits relate to the nominal volume.

#### Accessories

Description	Pk	Cat. No.
2 sets of inspection windows, clear and amber coloured for protection of light sensitive media	1	613-3742
Telescopic filling tubes, FEP, 25/50/100 ml, o. Ø 7,6 mm, 170 - 330 mm	1	613-0467
Telescopic filling tubes, FEP, 25/50/100 ml, o. Ø 7,6 mm, 250 - 480 mm	1	612-5603
Titration tube with screw cap and integrated discharge and recirculation valve	1	613-3743
Piston head, 25 ml	1	613-3744
Piston head, 50 ml	1	613-3745
Dispensing cylinder with valve head, 25 ml	1	613-3746
Dispensing cylinder with valve head, 50 ml	1	613-3747

**Digital burettes, solarus®**  
Hirschmann Laborgeräte



**Variable volume**

Modern, digital burettes, extremely accurate with manual control for exact titration.



- Integral solar panel provides energy for electronic components such as the digital display, so batteries no longer need to be replaced or charged
- Easy to use recirculation system for rapid priming with no loss of reagents
- Bi-directional RS232 interface
- Parts that come into contact with liquids are autoclavable
- Conformance certified

**Ordering information:** Supplied with three adapters (A32, A38, S40), a discharge tube, a filling tube with a locking screw, individual serial number and a test certificate.

Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
20	0,01	±0,2	<0,1	1	613-3255
50	0,01	±0,2	<0,1	1	613-3256

**Accessories**

Description	Pk	Cat. No.
Adapter A 45 to A 32, PP	1	612-0918
Adapter A 45 to A 38, PP	1	612-0919
Adapter A 45 to S 40, PP	1	612-0920
Adapter with filling tube NS 12/21	1	613-1655
Connecting cable RS232	1	612-2274
Discharge tube unit, FEP	1	612-0916
Ejection unit/discharge tube, flexible, spiral shaped, inner Ø 1,5mm	1	613-1654
Ejection unit/discharge tube, titration, variable	1	613-0894
Fine ejection unit – standard feature	1	613-1658
Ground adapter, silicone, A 45 compliant with NS 29/32	1	613-1656

**Digital burettes, Top Buret**  
Eppendorf



**Variable volume**

For safe, simple, accurate and continuous titration.

- Continuous dispensing from 0,01 to 999,9 ml by rotating the wheels: In increments of 2,5 ml per complete rotation for the Top Buret M model and 5 ml per rotation for the Top Buret H model
- Safety valve for priming without loss of reagent
- Discharge tube can be rotated through 360° and adjusted vertically (10 - 200 mm) and horizontally (142 - 220 mm)
- Connection for dry tube - available as option
- Power supplied by long-life batteries with charging display

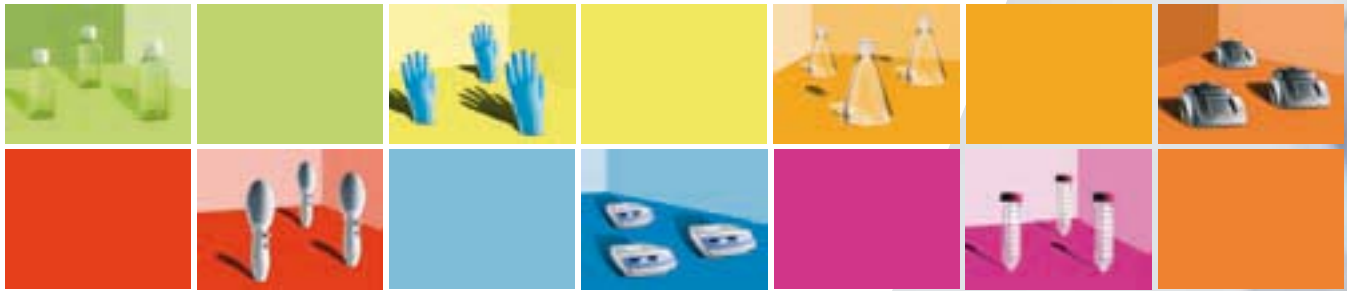
**Ordering information:** Supplied with safety valve, telescopic filling tube (210 - 370 mm), adjustable discharge tube, three adapters for 32/38/40 mm diameter bottle threads, two micro-batteries and a certificate of quality.

Description	Volume (ml)	Division (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
Top Buret M	0,01 - 999,9	0,01	±0,2	<0,1	1	613-3667
Top Buret H	0,01 - 999,9	0,01	±0,2	<0,1	1	613-3668

**Accessories**

Description	Pk	Cat. No.
Dry tube	1	613-3660

## VWR COLLECTION



### Delivering High Quality & Superior Performance

#### High quality products at competitive prices

The VWR Collection is a continually developing range designed to meet your everyday laboratory needs. Selected by and created for VWR International, the VWR Collection is a fast growing source of products that can make a real difference to your lab's productivity.

#### There is a VWR Collection product – whatever your needs ... or budget

High quality and great prices go hand in hand with the VWR Collection, every item offering tremendous performance that's great value for money.

The VWR Collection doesn't just cover the basics – chemicals, consumables and equipment - there is a breadth of products for special applications, such as environmental analysis, life science, chromatography and cryopreservation amongst others. You will also find laboratory furniture, speciality chemicals, microbiology media and a wide range of safety and clean room products in the VWR Collection range or other VWR brands such as BDH Prolabo.

#### We keep our promises

All **VWR Collection** equipment and instruments are supplied with a 2 year warranty, our lab chemicals are provided with batch analyses and where appropriate our consumables are certificated. This is VWR International's added assurance that you will be completely satisfied with your purchase from VWR International.





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## Micropipettes, Steppers and Tips

### Pipette leak testing unit

Brand



The PLT unit, pipette leak tester, for air displacement pipettes allows daily pipette checks, providing a safeguard during the periods between routine calibrations and thereby significantly improves the pipette process reliability. Even the smallest leaks are detected and quantified.

- Test limit values for all commercially available single and multichannel pipettes in the volume range 1 µl to 10 ml are pre-programmed
- Test pipettes with and without tips to assist in diagnosis of the leak source
- Test results in seconds

**Ordering information:** Supplied with one of each type of adapter for testing air-displacement pipettes with tip (mounted) or testing without tip, 2 plugs (for instrument validation), 3 replacement PE filters for the pipette adapters, universal AC adapter, quality certificate and operating manual.

Description	Pk	Cat. No.
Pipette leak testing unit PLT	1	613-1557

Accessories		
Description	Pk	Cat. No.
Pipette adapter for PLT unit, 1-channel, with tip	1	613-1690
Pipette adapter for PLT unit, 1-channel, without tip	1	613-1691
Pipette adapter for PLT unit, 4-channel	1	613-1692
Filter for PLT unit pipette adapter	10	613-1693
Universal AC adapter for PLT unit	1	613-1694

## INSTRUMENT SERVICE AND MAINTENANCE

Please contact your local VWR sales office for more information



## Single channel pipettes, mechanical, Ergonomic High Performance (EHP)



Linear stand

### Variable volume, fully autoclavable

The new Ergonomic High Performance pipettes provide accuracy and precision you can rely on. The new upgraded ergonomic features deliver comfortable pipetting even during extensive periods of use.

- Significantly reduced plunger forces
- Effortless volume adjustment with volume lock
- Superior accuracy and precision for critical applications
- Tapered shaft and adjustable 'Easy Grip' ejector for universal tip fit
- Extended finger rest for convenient pipetting

### Ordering information: Three Starter Kits available:

Starter Kit 1 includes 3 single channel pipettes (2 - 20  $\mu$ l / 20 - 200  $\mu$ l / 100 - 1000  $\mu$ l)

Starter Kit 2 includes 3 single channel pipettes (0,1 - 2  $\mu$ l / 0,5 - 10  $\mu$ l / 10 - 100  $\mu$ l)

Starter Kit 3 includes 3 single channel pipettes (0,5 - 10  $\mu$ l / 10 - 100  $\mu$ l / 100 - 1000  $\mu$ l)

Capacity ( $\mu$ l)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>Without ejector</b>				
0,2 - 2	$\pm 12,0 - \pm 1,5$	$<6,0 - <0,7$	1	613-5268
0,5 - 10	$\pm 1,2 - \pm 0,6$	$<2,8 - <0,4$	1	613-5269
2 - 20	$\pm 1,0 - \pm 0,6$	$<1,5 - <0,3$	1	613-5270
5 - 50	$\pm 0,9 - \pm 0,6$	$<2,0 - <0,4$	1	613-5271
10 - 100	$\pm 0,6 - \pm 0,5$	$<0,8 - <0,2$	1	613-5272
20 - 200	$\pm 2,5 - \pm 0,5$	$<0,6 - <0,2$	1	613-5273
50 - 250	$\pm 1,0 - \pm 0,6$	$<0,4 - <0,3$	1	613-5274
100 - 1000	$\pm 0,9 - \pm 0,6$	$<0,4 - <0,15$	1	613-5275
1000 - 5000	$\pm 0,6 - \pm 0,5$	$<0,25 - <0,15$	1	613-5276
1000 - 10000	$\pm 2,5 - \pm 0,5$	$<0,6 - <0,2$	1	613-5277
<b>With ejector</b>				
0,2 - 2	$\pm 12,0 - \pm 1,5$	$<6,0 - <0,7$	1	613-5258
0,5 - 10	$\pm 1,2 - \pm 0,6$	$<2,8 - <0,4$	1	613-5259
2 - 20	$\pm 1,0 - \pm 0,6$	$<1,5 - <0,3$	1	613-5260
5 - 50	$\pm 0,9 - \pm 0,6$	$<2,0 - <0,4$	1	613-5261
10 - 100	$\pm 0,6 - \pm 0,5$	$<0,8 - <0,2$	1	613-5262
20 - 200	$\pm 2,5 - \pm 0,5$	$<0,6 - <0,2$	1	613-5263
50 - 250	$\pm 1,0 - \pm 0,6$	$<0,4 - <0,3$	1	613-5264
100 - 1000	$\pm 0,9 - \pm 0,6$	$<0,4 - <0,15$	1	613-5265
1000 - 5000	$\pm 0,6 - \pm 0,5$	$<0,25 - <0,15$	1	613-5266
1000 - 10000	$\pm 2,5 - \pm 0,5$	$<0,6 - <0,2$	1	613-5267

### Starter Kits

Description	Pk	Cat. No.
Starter Kit 1 incl. 3 single channel pipettes (2 - 20 $\mu$ l / 20 - 200 $\mu$ l / 100 - 1000 $\mu$ l)	1	613-5278
Starter Kit 2 incl. 3 single channel pipettes (0,1 - 2 $\mu$ l / 0,5 - 10 $\mu$ l / 10 - 100 $\mu$ l)	1	613-5279
Starter Kit 3 incl. 3 single channel pipettes (0,5 - 10 $\mu$ l / 10 - 100 $\mu$ l / 100 - 1000 $\mu$ l)	1	613-5280

### Accessories

Description	Pk	Cat. No.
Carousel stand for 6 pipettes	1	613-0085
Linear stand for 6 pipettes	1	613-0086
Shelf clip for 3 pipettes	1	613-0090

## Single channel pipettes, mechanical, Ultra-High Performance (UHP)



### Variable volume, fully autoclavable

The VWR Ultra-High Performance pipettes offer superior accuracy and precision, with unmatched and proven ergonomic design which is both lightweight and durable.

- Lowest plunger force tested
- Universal tip capability
- Automatic locking volume adjustment wheel
- Levered tip ejection and colour-coded for volume identification
- Easy in-house calibration and maintenance

**Ordering information:** Starter Kit also available, including 4 single channel pipettes (0,5 - 10, 2 - 20, 20 - 200, 100 - 1000 µl).

Capacity (µl)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0,1 - 2,0	±12,0 - ±1,5	<6,0 - <0,7	1	613-1488
0,5 - 10	±4,0 - ±0,5	<2,8 - <0,4	1	613-1489
2 - 20	±3,0 - ±0,8	<1,5 - <0,3	1	613-1490
5 - 50	±3,0 - ±0,8	<2,0 - <0,4	1	613-1628
10 - 100	±1,6 - ±0,8	<1,5 - <0,3	1	613-1491
20 - 200	±1,2 - ±0,6	<0,8 - <0,2	1	613-1492
100 - 1000	±0,9 - ±0,6	<0,6 - <0,2	1	613-1493

### Starter Kit

Description	Pk	Cat. No.
Starter Kit (incl. 4 UHP Pipettes (Single channel: 0,5 - 10, 2 - 20, 20 - 200, 100 - 1000), 4-position stand (613-1589) and 3 racks of tips)	1 Kit	613-1609

### Accessories

Description	Pk	Cat. No.
Stand for 4 UHP pipettes	1	613-1589
Stand for 1 UHP pipette	1	613-1590



## Single channel pipettes, mechanical



Linear stand

### Fixed volume, fully autoclavable

- Ergonomically designed to fit large or small hands for extra comfort while working, for left or right-handed operation
- Slim tip mounting cone compatible with all tips
- With stainless steel, movable and height-adjustable tip ejector
- Maintenance free seals, polished plungers for superior precision

**Ordering information:** Supplied with a key for calibrating in the laboratory.

Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
5	±1,6	<1,0	10	1	613-0166
10	±1,0	<0,6	10	1	613-0167
20	±0,8	<0,4	200	1	613-0168
25	±0,8	<0,4	200	1	613-0169
50	±0,8	<0,4	200	1	613-0170



Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
100	±0,8	<0,3	200	1	613-0171
200	±0,6	<0,3	200	1	613-0172
250	±0,6	<0,3	1000	1	613-0173
500	±0,5	<0,3	1000	1	613-0174
1000	±0,4	<0,3	1000	1	613-0175

**Accessories**

Description	Pk	Cat. No.
Carousel stand for 6 pipettes	1	613-0085
Linear stand for 6 pipettes	1	613-0086
Shelf clip for 3 pipettes	1	613-0090

**Multichannel pipettes, mechanical, Ergonomic High Performance (EHP)**



Linear stand

**Variable volume, fully autoclavable**

The new Ergonomic High Performance pipettes from VWR provide accuracy and precision you can rely on. The new upgraded ergonomic features deliver comfortable pipetting even during extensive periods of use.

- Significantly reduced plunger forces
- Effortless volume adjustment with volume lock
- Superior accuracy and precision for critical applications
- Tapered shaft and adjustable 'Easy Grip' ejector for universal tip fit
- Extended finger rest for convenient pipetting

Capacity (µl)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>8-Channel</b>				
1 - 10	±8,0 - ±2,0	<8,0 - <2,0	1	613-5250
5 - 50	±4,0 - ±1,6	<4,0 - <1,6	1	613-5251
20 - 200	±2,0 - ±1,0	<1,5 - <0,8	1	613-5252
50 - 300	±1,6 - ±1,0	<1,5 - <0,8	1	613-5253
<b>12-Channel</b>				
1 - 10	±8,0 - ±2,0	<8,0 - <2,0	1	613-5254
5 - 50	±4,0 - ±1,6	<4,0 - <1,6	1	613-5255
20 - 200	±2,0 - ±1,0	<1,5 - <0,8	1	613-5256
50 - 300	±1,6 - ±1,0	<1,5 - <0,8	1	613-5257

**Accessories**

Description	Pk	Cat. No.
Stand for one 8-channel pipette	1	613-0087
Stand for one 12-channel pipette	1	613-0088

## Multichannel pipettes, mechanical, Ultra-High Performance (UHP)



### Variable volume, fully autoclavable

The VWR Ultra-High Performance pipettes offer superior accuracy and precision, with unmatched and proven ergonomic design both lightweight and durable.

- Lowest plunger force tested
- Universal tip capability
- Automatic locking volume adjustment wheel
- Levered tip ejection and colour-coded for volume identification
- Easy in-house calibration and maintenance



Capacity (µl)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>8-Channel</b>				
1,0 - 10	±8,0 - ±2,0	<6,0 - <1,2	1	613-1494
5,0 - 50	±4,0 - ±1,6	<2,5 - <0,6	1	613-1495
20 - 200	±3,0 - ±1,0	<1,5 - <0,6	1	613-1496
50 - 300	±1,6 - ±1,0	<1,5 - <0,6	1	613-1497
<b>12-Channel</b>				
1,0 - 10	±8,0 - ±2,0	<6,0 - <1,2	1	613-1498
5,0 - 50	±4,0 - ±1,6	<2,5 - <0,6	1	613-1499
20 - 200	±3,0 - ±1,0	<1,5 - <0,6	1	613-1500
50 - 300	±1,6 - ±1,0	<1,5 - <0,6	1	613-1506

### Accessories

Description	Pk	Cat. No.
Shelf clip for 1 UHP pipette	1	613-1588
Stand for 4 UHP pipettes	1	613-1589
Stand for 1 UHP pipette	1	613-1590

## Single channel pipettes, electronic



Light, ergonomically designed micropipettes prevent hands from becoming tired during repetitive operations. They are equipped with a microprocessor controlled stepper motor for dispensing extremely precise volumes with the help of a piston and an optical coupler that monitors the position of the piston to guarantee that the movement is repeated with absolute precision every time.



- Wide LCD screen and convenient interface
- Memory is capable of storing up to nine configurations of functional parameters
- Permanent self-test programme ensures the precision of the pipetted volumes and battery dependence
- Auto-calibration function

**Ordering information:** Supplied with one lithium ion battery, one clip for fixing to a shelf, and an adapter for recharging the battery in the micropipette.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0400
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0401
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0402
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0403
10 - 200	1	±2,0 - ±0,6	<1,0 - <0,15	1	613-0404
10 - 200	1	±2,0 - ±0,6	<1,0 - <0,15	1	613-0405
100 - 1200	1	±1,5 - ±0,5	<0,6 - <0,15	1	613-0406
100 - 1200	1	±1,5 - ±0,5	<0,6 - <0,15	1	613-0407

### Accessories

Description	Pk	Cat. No.
Lithium ion battery	1	613-0424
Shelf clip for 1 electronic single channel or multichannel pipette	1	613-0427
Acrylic stand for 3 electronic single channel or multichannel pipettes	1	613-0428
Carousel for 6 electronic single channel or multichannel pipettes	1	613-0429



## Multichannel pipettes, electronic



Light, ergonomically designed micropipettes prevent hands from becoming tired during repetitive operations. They are equipped with a microprocessor controlled stepper motor for dispensing extremely precise volumes with the help of a piston and an optical coupler that monitors the position of the piston to guarantee that the movement is repeated with absolute precision every time.

- Wide LCD screen and convenient interface
- Memory is capable of storing up to nine configurations of functional parameters
- Permanent self-test programme ensures the precision of the pipetted volumes and battery dependence
- Auto-calibration function

**Ordering information:** Supplied with one lithium-ion battery, one clip for fixing to a shelf, and one adapter for recharging the battery in the micropipette.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
<b>8-Channel</b>					
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0408
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0409
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0410
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0411
10 - 200	1,0	±2,0 - ±0,6	<1,0 - <0,15	1	613-0412
10 - 200	1,0	±2,0 - ±0,6	<1,0 - <0,15	1	613-0413
100 - 1200	1,0	±1,5 - ±0,5	<0,6 - <0,15	1	613-0414
100 - 1200	1,0	±1,5 - ±0,5	<0,6 - <0,15	1	613-0415
<b>12-Channel</b>					
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0416
0,5 - 10	0,1	±4,0 - ±1,0	<2,5 - <0,4	1	613-0417
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0418
2 - 20	0,1	±5,0 - ±1,0	<2,0 - <0,3	1	613-0419
10 - 200	1,0	±2,0 - ±0,6	<1,0 - <0,15	1	613-0420
10 - 200	1,0	±2,0 - ±0,6	<1,0 - <0,15	1	613-0421
100 - 1200	1,0	±1,5 - ±0,5	<0,6 - <0,15	1	613-0422
100 - 1200	1,0	±1,5 - ±0,5	<0,6 - <0,15	1	613-0423

### Accessories

Description	Pk	Cat. No.
Lithium ion battery	1	613-0424
Shelf clip for 1 electronic single channel or multichannel pipette	1	613-0427
Acrylic stand for 3 electronic single channel or multichannel pipettes	1	613-0428
Carousel for 6 electronic single channel or multichannel pipettes	1	613-0429

VWR COLLECTION

Delivering High Quality & Superior Performance

Please contact your local VWR sales office or go to [www.vwr.com](http://www.vwr.com) for the latest news and special offers

# Pipette Tips - Compatibility Chart

SC: Single channel pipette / MC: Multi channel pipette  
 For comprehensive fits information, please contact VWR Customer Service.



Description	Channels	Volume (µl)	A	B	C	D	E	F	G	H	I	K	L	O	Q	R	S	Y		
VWR Collection EHP/UHP	SC/MC	0.2-2	√																	
		0.5-10	√																	
		2-20			√															
		5-50			√															
		10-100			√		√													
		20-200			√		√													
		50-250								√										
		100-1000										√		√						
		1000-5000													√					
		1000-10000																		√
VWR Collection Electronic	SC	0.5-10	√																	
		2-20			√															
		10-200			√		√				√									
		100-1200										√								
Biohit eLine	SC	0.2-10	√																	
		5-120			√		√				√									
		50-1000										√		√						
	MC	0.2-10	√																	
		5-120			√		√			√	√									
		50-1200											√							
Biohit ePet	SC	0.2-10	√																	
		5-100			√						√									
	MC	0.2-10	√																	
		5-100			√															
		25-250					√			√										
50-1200											√									
Biohit mLine	SC	0.1-3	√																	
		0.5-10	√																	
		2-20			√															
		10-100			√	√					√									
		20-200			√	√	√			√	√									
		100-1000												√						
		1000-10000																	√	
	MC	0.5-10	√																	
		5-100			√						√									
		20-200			√															
30-300									√											



Description	Channels	Volume (µl)	A	B	C	D	E	F	G	H	I	K	L	O	Q	R	S	Y	
Biohit Proline Electronic	SC	0.2-10	√																
		5-100			√		√			√									
		25-250								√									
		50-1000										√		√					
		50-1200											√						
	MC	0.2-10	√																
Biohit Proline	SC	0.1-2.5	√																
		0.5-10	√																
		2-20			√														
		5-50			√						√								
		10-100			√	√													
		20-200				√	√	√											
		50-200								√	√								
		50-250								√									
		100-1000										√							
Biohit Proline	MC	0.5-10	√																
		5-50			√														
		50-250								√									
		50-300								√									
Biohit Proline Plus	SC	0.1-3	√																
		0.5-10	√																
		2-20			√						√								
		10-100			√						√								
		20-200			√					√									
		20-300								√									
		100-1000										√		√					
	1000-10000																	√	
	MC	0.5-10	√																
	Thermo Finnpipette Digital/F1	SC	0.2-2	√															
			0.5-10	√		√													
2-20					√		√				√								
5-50					√		√				√								
10-100					√		√				√								
20-200					√		√				√								
100-1000												√							
200-1000												√							

# Pipette Tips - Compatibility Chart

Description	Channels	Volume (µl)	A	B	C	D	E	F	G	H	I	K	L	O	Q	R	S	Y
Thermo Finnpipette Digital	MC	0.5-10	√															
		5-50			√		√				√							
		50-300								√								
Thermo Finnpipette F1	MC	1-10			√													
		5-50			√		√				√							
		50-300								√								
Thermo Focus	SC	0.3-3	√															
		0.5-5	√															
		1-10	√									√						
		3-30										√						
		5-50										√						
		10-100										√						
		30-300										√						
	100-1000											√		√				
	MC	1-10	√															
		5-50			√													
30-300										√								
Thermo Novus	SC	1-10	√		√													
		5-50			√													
		10-100			√							√						
		30-300										√						
		100-1000											√		√			
	MC	1-10	√															
Eppendorf Electronic	SC	0.5-10	√															
		0.5-20		√														
		5-100			√	√	√					√						
		20-200			√	√	√	√	√	√	√							
		50-1000											√					
Eppendorf Reference	SC	0.1-2.5	√															
		0.5-10	√															
		2-20		√	√	√	√					√						
		10-100			√	√	√					√						
		50-200			√	√	√					√						
		100-1000																
Eppendorf Research Pro	SC	0.5-10																
		5-100																
		20-300																
		50-1000																
	MC	50-1200																
		0.5-10																
		5-100																
		20-300																

Description	Channels	Volume (µl)	A	B	C	D	E	F	G	H	I	K	L	O	Q	R	S	Y	
Eppendorf Research & Research Plus	SC	0.1-2.5	√																
		0.5-10	√																
		2-10			√	√	√				√								
		10-100			√	√	√	√	√		√								
		20-200			√	√	√	√	√		√								
		100-1000																	
	MC	0.5-10	√																
		10-100			√	√	√				√								
		30-300								√									
Gilson Pipetman, P	SC	0.2-2	√																
		1-10	√																
		2-20			√														
		20-200			√						√								
		50-200			√		√		√	√									
		20-1000										√		√					
		1000-5000													√				
		1000-10000																	√
Gilson Pipetman Ultra	SC	0.2-2	√																
		1-10	√																
		2-20			√														
		20-100			√						√								
		20-200			√					√	√								
		50-200					√												
		20-1000										√		√					
		1000-10000																	√
	MC	1-20			√														
		20-300								√									
Gilson Neo	SC	0.2-2	√																
		1-10	√																
		2-20			√														
		20-100			√														
		20-200			√						√								
		100-1000										√		√					
Gilson Concept	SC	0.5-10	√																
		5-100			√						√								
		20-300								√									
	MC	1-10	√																
		10-100			√						√								
		30-300								√									

# Pipette Tips - Compatibility Chart

Description	Channels	Volume (µl)	A	B	C	D	E	F	G	H	I	K	L	O	Q	R	S	Y	
Rainin Pipet Classic	SC	0.1-2	√																
		0.5-10	√																
		2-20			√														
		10-100			√						√								
		20-200			√		√				√								
		100-1000										√		√					
		1000-5000													√				
		5000-10000																	√
Rainin Pipet Lite & Plus with LTS / E-Man Hybrid	SC/MC	0.1-2													√				
		0.5-10													√				
		2-20													√				
		10-100															√		
		20-200															√		
		100-1000																√	



## Pipette tips

All the tips are made of high quality 100% pure virgin medical grade PP. Made in the highest quality moulds, these tips can be used whenever the work demands a higher standard. Sterile products are tested for endotoxin (pyrogen) contamination and certified to USP standards. Resins are pre-tested for metal contamination. Certificates are on file by lot number for all test results.

- A wider seal assures that tips will seal easily and consistently without leaking, on old as well as new pipettes
- Guaranteed free of detectable DNA, DNase/RNase, endotoxins and heavy metals
- Autoclavable

Bulk					
Type	Capacity (µl)	Compatibility	Pk	Cat. No.	
UltraFine™, extended	0,1 - 10	A	1000	613-0259	
UltraFine™, graduated, siliconised	0,1 - 10	A	1000	613-0276	
UltraFine™, graduated	0,1 - 10	A	1000	613-0364	
Bevel Point™, graduated	0,5 - 10	B	1000	613-0254	
UltraFine™	0,5 - 20	Q	1000	613-0578	
Graduated	0,1 - 30	A	1000	613-0636	
Bevel Point™	1 - 100	D	1000	613-0252	
Bevel Point™, graduated	1 - 200	C	10000	525-0144	
Standard	1 - 200	C	1000	613-0287	
Standard (yellow)	1 - 200	C	1000	613-0246	
Bevel Point™	1 - 200	C	1000	613-0239	
Bevel Point™	1 - 200	C	10000	613-0240	
Bevel Point™, graduated	1 - 200	C	1000	613-0298	
Bevel Point™, siliconised	1 - 200	C	1000	613-0277	
UltraFine™, graduated	1 - 200	R	1000	613-0581	
UltraFine™, FlexTop™, extended	1 - 200	C	1000	732-0500	
UltraFine™, FlexTop™, graduated	1 - 200	C	1000	732-0504	
Bevel Point™, wide orifice	1 - 250	E	1000	736-0204	
Low Binding, wide orifice	1 - 250	E	1000	613-0370	
UltraFine™	1 - 250	F	1000	613-0892	
UltraFine™, Low Binding	1 - 250	F	1000	613-0373	
Bevel Point™	1 - 300	G	1000	613-0265	
Bevel Point™, Low Binding	1 - 300	G	1000	613-0380	
UltraFine™, FlexTop™, graduated	1 - 300	G	1000	613-0331	
Bevel Point™	100 - 1000	L	1000	613-0340	
Bevel Point™, graduated	100 - 1000	L	1000	613-0343	
UltraFine™	100 - 1000	S	1000	613-0584	
UltraFine™, FlexTop™, extended	100 - 1250	I	1000	613-0272	
UltraFine™, Low Binding	100 - 1250	I	1000	613-0377	
Wide orifice	100 - 1250	I	1000	613-0749	
Macro	1000 - 5000	O	250	613-0830	
Macro, graduated (Gilson Pipetman)	1000 - 5000	O	250	613-0338	
Macro, graduated (Biohit / Eppendorf)	1000 - 5000	O	250	613-0339	
Standard	5000 - 10000	Y	250	613-0831	



# Pipettes, Steppers and Tips

## VWR Collection Pipettips

### Racked



Type	Capacity (µl)	Compatibility	Pk	Cat. No.
UltraFine™, extended (10×96)	0,1 - 10	A	960	613-0260
UltraFine™, graduated (12×96)	0,1 - 10	A	1152	613-0334
UltraFine™, graduated, siliconised (12×96)	0,1 - 10	A	1152	613-0336
Bevel Point™, graduated (10×96)	0,5 - 10	B	960	613-0255
UltraFine™ (10×96)	0,5 - 20	Q	960	613-0576
Graduated (10×96)	0,1 - 30	A	960	613-0637
UltraFine™ (10x384)	1 - 50	A	3840	732-0499
Bevel Point™ (10×96)	1 - 100	D	960	613-0253
Bevel Point™ (5×192)	1 - 100	D	960	613-0251
Standard (10×96)	1 - 200	C	960	613-0288
Standard (10×96, yellow)	1 - 200	C	960	613-0247
Bevel Point™ (10×96)	1 - 200	C	960	613-0241
Bevel Point™ (5×192)	1 - 200	C	960	613-0369
Bevel Point™ (5×192, yellow)	1 - 200	C	960	613-0237
Bevel Point™, Low Binding (10×96)	1 - 200	C	960	613-0285
Bevel Point™, siliconised (10×96)	1 - 200	C	960	613-0278
Bevel Point™, graduated (10×96)	1 - 200	C	960	613-0299
Bevel Point™, graduated (5×192)	1 - 200	C	960	613-0296
UltraFine™, graduated (10×96)	1 - 200	R	960	613-0579
UltraFine™, FlexTop™, extended (6×96)	1 - 200	C	576	732-0501
UltraFine™, FlexTop™, graduated (10×96)	1 - 200	C	960	732-0505
Bevel Point™, wide orifice (10×96)	1 - 250	E	960	736-0205
Low Binding, wide orifice (10×96)	1 - 250	E	960	613-0371
UltraFine™ (10×96)	1 - 250	F	960	613-0304
UltraFine™, Low Binding (10×96)	1 - 250	F	960	613-0374
Bevel Point™ (10×96)	1 - 300	G	960	613-0266
Bevel Point™ (5×192)	1 - 300	G	960	613-0357
Bevel Point™, Low Binding (10×96)	1 - 300	G	960	613-0381
UltraFine™, FlexTop™, graduated (6×96)	1 - 300	G	576	613-0332
Bevel Point™ (6×96)	100 - 1000	L	576	613-0341
Bevel Point™, graduated (5×96)	100 - 1000	L	480	613-0366
Bevel Point™, graduated (6×96)	100 - 1000	L	576	613-0344
UltraFine™ (6×96)	100 - 1000	S	576	613-0582
UltraFine™, FlexTop™, extended (6×96)	100 - 1250	I	576	613-0273
UltraFine™, Low Binding (6×96)	100 - 1250	I	576	613-0378
Wide orifice (6×96)	100 - 1250	I	576	613-0750

### Racked, sterile



Type	Capacity (µl)	Compatibility	Pk	Cat. No.
UltraFine™, extended (10×96)	0,1 - 10	A	960	613-0261
UltraFine™, graduated (12×96)	0,1 - 10	A	1152	613-0335
UltraFine™, graduated, siliconised (12×96)	0,1 - 10	A	1152	613-0337
Bevel Point™, graduated (10×96)	0,5 - 10	B	960	613-0256
UltraFine™ (10×96)	0,5 - 20	Q	960	613-0577
Graduated (10×96)	0,1 - 30	A	960	613-0638
UltraFine™ (10x384)	1 - 50	A	3840	732-0557
Bevel Point™ (10×96)	1 - 100	D	960	613-0352
Bevel Point™ (5×192)	1 - 100	D	960	613-0353
Standard (10×96)	1 - 200	C	960	613-0360
Standard (10×96, yellow)	1 - 200	C	960	613-0248
Bevel Point™ (10×96)	1 - 200	C	960	613-0242
Bevel Point™ (5×192)	1 - 200	C	960	613-0238
Bevel Point™, graduated (10×96)	1 - 200	C	960	613-0300
Bevel Point™, graduated (5×192)	1 - 200	C	960	613-0297
Bevel Point™, Low Binding (10×96)	1 - 200	C	960	613-0286
Bevel Point™, siliconised (10×96)	1 - 200	C	960	613-0279
UltraFine™, graduated (10×96)	1 - 200	R	960	613-0580
UltraFine™, FlexTop™, extended (6×96)	1 - 200	C	576	732-0502
UltraFine™, FlexTop™, graduated (10×96)	1 - 200	C	960	732-0506
Bevel Point™, wide orifice (10×96)	1 - 250	E	960	736-0206
Low Binding, wide orifice (10×96)	1 - 250	E	960	613-0372
UltraFine™ (10×96)	1 - 250	F	960	613-0362
UltraFine™, Low Binding (10×96)	1 - 250	F	960	613-0375
Bevel Point™ (10×96)	1 - 300	G	960	613-0267
Bevel Point™ (5×192)	1 - 300	G	960	613-0358
Bevel Point™, Low Binding (10×96)	1 - 300	G	960	613-0382
UltraFine™, FlexTop™, graduated (6×96)	1 - 300	G	576	613-0333
Bevel Point™ (6×96)	100 - 1000	L	576	613-0342
Bevel Point™, graduated (6×96)	100 - 1000	L	576	613-0345
UltraFine™ (6×96)	100 - 1000	S	576	613-0583
UltraFine™, FlexTop™, extended (6×96)	100 - 1250	I	576	613-0274
UltraFine™, Low Binding (6×96)	100 - 1250	I	576	613-0379
Wide orifice (6×96)	100 - 1250	I	576	613-0751

Refill system

Type	Capacity (µl)	Compatibility	Pk	Cat. No.
UltraFine™, graduated	0,1 - 10	A	1152	613-0262
UltraFine™, graduated, sterile	0,1 - 10	A	1152	613-0263
Bevel Point™	1 - 100	D	960	613-0249
Bevel Point™, sterile	1 - 100	D	960	613-0354
Bevel Point™	1 - 200	C	960	613-0231
Bevel Point™, sterile	1 - 200	C	960	613-0233
Bevel Point™, graduated	1 - 200	C	960	613-0290
Bevel Point™, graduated, sterile	1 - 200	C	960	613-0292
Bevel Point™, wide orifice	1 - 250	E	960	613-0229
UltraFine™	1 - 250	F	960	613-0363

Stack rack

Type	Capacity (µl)	Compatibility	Pk	Cat. No.
Bevel Point™ (5×192)	1 - 100	D	960	613-0250
Bevel Point™ (10×96)	1 - 200	C	960	613-0368
Bevel Point™ (10×96, yellow)	1 - 200	C	960	613-0243
Bevel Point™ (5×192)	1 - 200	C	960	613-0235
Bevel Point™, graduated (10×96)	1 - 200	C	960	613-0301
Bevel Point™, graduated (5×192)	1 - 200	C	960	613-0294



Stack rack refill

Type	Capacity (µl)	Compatibility	Pk	Cat. No.
Bevel Point™ (10×96)	1 - 200	C	960	613-0244
Bevel Point™ (5×192)	1 - 200	C	960	613-0236
Bevel Point™, graduated (10×96)	1 - 200	C	960	613-0302
Bevel Point™, graduated (5×192)	1 - 200	C	960	613-0295
Bevel Point™, graduated, sterile (160×96)	1 - 200	C	15360	613-0350



Individually wrapped, sterile

Type	Capacity (µl)	Compatibility	Pk	Cat. No.
Bevel Point™	1 - 200	C	200	613-0230
Bevel Point™, graduated	1 - 200	C	200	613-0289
Bevel Point™	1 - 300	G	200	613-0264
Bevel Point™, graduated	100 - 1000	L	200	613-0359
UltraFine™, FlexTop™, extended	100 - 1250	I	200	613-0367



Pipette tips, refill, Next Generation



Tips made from pure resins, packaging made from renewable materials

The Next Generation pipette tip refill system is a revolution in pipette tip refills. It goes far beyond other reload systems to bring a complete refilling solution to the lab. With a simple lift, place, and snap, the user can refill VWR and other brands of pipette tip racks with 17 different styles of tips.

Far beyond simple recycle coding, the Next Generation is a complete system designed with a low carbon footprint that includes the first ever use of bio-plastic (non petroleum) compostable resin in pipette tip refills. Next Generation's small footprint extends to the package, with a reclosable box that helps maximise storage space in crowded labs.

- Easy to use refill system - new pipette tip racks, inserts and transfer cover preventing tip wobbling during refill and keeps tips clean
- 95% renewable materials - compostable tip base from organic non petroleum resin, carton made from 100% recycled fibres, soy-based vegetable ink
- Certified DNA-/RNase-/DNase-free

**Packaging:** Compact, reclosable packaging with reduced overall weight.

Type	Capacity (µl)	Compatibility	Sterile	Pk	Cat. No.
Standard	0,1 - 10	A	+	1248	613-1647
UltraFine™	0,1 - 10	A	-	1248	613-1646
Low Binding	0,1 - 10	A	-	1248	613-1644
Low Binding	0,1 - 10	A	+	1248	613-1645
Extended, micro	0,1 - 10	A	-	1344	613-0735
Extended, micro	0,1 - 10	A	+	1344	613-0736
Rainin®LTS™ style	0,2 - 20	O	-	1056	613-0721

# Pipettes, Steppers and Tips

## VWR Collection Pipettips

Type	Capacity (µl)	Compatibility	Sterile	Pk	Cat. No.
Rainin®LTS™ style	0,2 - 20	O	+	1056	613-0722
Eppendorf® style, yellow	1 - 100	E	-	960	613-0734
Yellow	1 - 200	B	-	960	613-0732
Yellow	1 - 200	B	+	960	613-0733
Standard	1 - 200	C	-	960	613-0740
Graduated	1 - 200	D	-	960	613-0742
Graduated	1 - 200	D	+	960	613-0743
Ultrafine™	1 - 200	I	-	960	613-0725
Ultrafine™	1 - 200	I	+	960	613-0726
Low Binding	1 - 200	L	-	960	613-0741
Wide orifice	1 - 200	G	-	960	613-0731
Ultrafine™	1 - 250	F	-	960	613-0744
Low Binding	1 - 250	F	-	960	613-0745
Rainin®LTS™ style	0,5 - 250	R	-	960	613-0727
Rainin®LTS™ style	0,5 - 250	R	+	960	613-0728
Ultrafine™	1 - 300	G	-	576	613-0723
Ultrafine™	1 - 300	G	+	576	613-0724
Rainin®LTS™ style	100 - 1000	Q	-	480	613-0729
Rainin®LTS™ style	100 - 1000	Q	+	480	613-0730
Wide orifice	100 - 1250	H	-	480	613-0737
Ultrafine™	100 - 1250	I	-	480	613-0738
Ultrafine™	100 - 1250	I	+	480	613-0739
Low Binding	100 - 1250	I	-	480	613-0746
Low Binding	100 - 1250	I	+	480	613-0747

### Accessories

Description	Pk	Cat. No.
Refillable anti-wobble tip rack (for mid-size tips)	10	613-1592

## Pipette tips, reload system

### Clear PP, sterile or non sterile, autoclavable

- Non sterile tips are free from DNA, DNase and RNase; E-beam sterilised tips are free from DNA, DNase and RNase, pyrogens, PCR inhibitors and endotoxins
- Robust, traceable racks are easy to grab with their ergonomic clips
- Reload boxes including racks or empty reload boxes are also available and feature flip lock latch for one-handed opening and closing, reversible lid with lip, flush fitting and click clip to stabilise the racks






Description	Channels	Volume (µl)	613-1068	613-1069	613-1067	613-1064	613-1066	613-1063	613-1062
			613-1075	613-1076	613-1074	613-1065	613-1073	613-1071	613-1070
			613-1082	613-1083	613-1081	613-1079	613-1080	613-1078	613-1077
			613-1093	613-1076	613-1074	613-1089	613-1091	613-1098	613-1087
			613-1100	613-1083	613-1081	613-1090	613-1092	613-1088	613-1087
						613-1096	613-1098	613-1088	613-1087
						613-1097	613-1099	613-1095	613-1094
VWR Collection EHP/UHP	SC	0,2-2	√	√	√				
	SC	0,5-10	√	√					
	SC	2-20				√	√	√	
	SC	10-100				√	√		
	SC	20-200				√	√	√	
	SC	100-1000							√
	MC8	1-10	√	√	√				
	MC8-12	20-200				√	√		
Eppendorf Reference 2000 (yellow)	SC	2-20				√	√		
Eppendorf Reference & Reference 2000	SC	0,5-10	√	√	√				
Eppendorf Reference & Reference 2000 (grey)	SC	2-20	√	√	√				
Eppendorf Reference & Reference 2000	SC	50-200				√	√		
	SC	200-1000							√
Eppendorf Research 2100	MC	0,5-10	√	√	√				
Eppendorf Research & Research 2100	SC	2-20				√	√		
	SC	20-200				√	√		
	SC	100-1000							√
Finnpipette	SC	40-200				√	√	√	
	MC	5-50				√	√	√	
Finnpipette & Finnpipette II	SC	5-50				√	√	√	
	SC	20-200				√	√	√	
	SC	200-1000							√
	MC	0,5-10	√	√	√				
	MC	50-300						√	
Finnpipette Focus	SC	1-10				√	√		
	SC	10-100				√	√	√	
	SC	30-300				√			
	SC	100-1000							√
	MC	1-10	√	√	√				
	MC	5-50				√	√	√	
Finnpipette II	SC	100-1000							√
Finnpipette Micro & Finnpipette II	SC	0,5-10	√	√	√				
Gilson Pipetman P-10	SC	0,5-10	√	√					
Gilson Pipetman P-20	SC	2-20				√	√		
Gilson Pipetman P-100	SC	10-100				√	√	√	
Gilson Pipetman P-200	SC	50-200				√	√	√	
Gilson Pipetman P-1000	SC	100-1000							√

SC: Single channel pipette / MC: Multichannel pipette  
For more compatibility information, please contact VWR Customer Services.

**Bulk (1000 tips per pack)**

	Type	Capacity (µl)	Pk	Cat. No.
	Micro, graduated	0,1 - 10	1000	613-1068
	Micro, extra long, graduated	0,1 - 10	1000	613-1069
	Micro, Eppendorf type	0,5 - 20	1000	613-1067
	Graduated, bevelled	1 - 200	1000	613-1065
	Graduated, bevelled (yellow)	1 - 200	1000	613-1064
	Micro	1 - 200	1000	613-1066
	Graduated, bevelled	5 - 300	1000	613-1063
	Graduated	100 - 1250	1000	613-1062

# Pipettes, Steppers and Tips

## VWR Collection Pipettips

### Racked (10 racks of 96 tips per pack)



Type	Capacity (µl)	Pk	Cat. No.
Micro, graduated	0,1 - 10	960	613-1075
Micro, extra long, graduated	0,1 - 10	960	613-1076
Micro, Eppendorf type	0,5 - 20	960	613-1074
Graduated, bevelled	1 - 200	960	613-1072
Micro	1 - 200	960	613-1073
Graduated, bevelled	5 - 300	960	613-1071
Graduated	100 - 1250	960	613-1070

### Racked, sterile (10 racks of 96 tips per pack)



Type	Capacity (µl)	Pk	Cat. No.
Micro, graduated	0,1 - 10	960	613-1082
Micro, extra long, graduated	0,1 - 10	960	613-1083
Micro, Eppendorf type	0,5 - 20	960	613-1081
Graduated, bevelled	1 - 200	960	613-1079
Micro	1 - 200	960	613-1080
Graduated, bevelled	5 - 300	960	613-1078
Graduated	100 - 1250	960	613-1077

### Reload (5 inserts of 96 tips per stack / 2 stacks per pack)



Type	Capacity (µl)	Pk	Cat. No.
Micro, graduated	0,1 - 10	960	613-1093
Graduated	1 - 200	960	613-1090
Graduated (yellow)	1 - 200	960	613-1089
Micro	1 - 200	960	613-1091
Micro (yellow)	1 - 200	960	613-1092
Standard	5 - 300	960	613-1088
Graduated	100 - 1250	960	613-1087

### Reload, sterile (5 inserts of 96 tips per stack / 2 stacks per pack)



Type	Capacity (µl)	Pk	Cat. No.
Micro, graduated	0,1 - 10	960	613-1100
Graduated	1 - 200	960	613-1097
Graduated (yellow)	1 - 200	960	613-1096
Micro	1 - 200	960	613-1098
Micro (yellow)	1 - 200	960	613-1099
Bevelled	5 - 300	960	613-1095
Micro, graduated	100 - 1250	960	613-1094

### Empty rack for reload (10 empty racks per pack)

Type	Capacity (µl)	Pk	Cat. No.
Empty rack	10 - 20	10	613-1086
Empty rack	200 - 300	10	613-1085
Empty rack	1000 - 1250	10	613-1084

## Capillary tips for gel loading



### Non bevelled capillary section, non graduated, compatibility type H

- The thin capillary fits between gel plates to allow the user to accurately fill the wells between the teeth of the gel comb
- With wide sealing areas to also fit older pipette barrels

Length: ≈70 / 65 mm



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1 - 200	-	Bulk	1000	613-0257
1 - 200	-	6 racks, 96 each	576	732-0508
1 - 200	+	6 racks, 96 each	576	732-0509





## Pipette tips, universal

### PP, autoclavable

- Manufactured without lubricants
- Cadmium-free pigments
- Environmentally friendly packaging systems

Colour: Yellow (2 - 200  $\mu$ l), blue (50 - 1000  $\mu$ l)  
Length: 50 mm (2 - 200  $\mu$ l), 70 mm (50 - 1000  $\mu$ l)

	Capacity ( $\mu$ l)	Sterile	Packed	Pk	Cat. No.
	2 - 200	-	Bulk	1000	612-5755
	50 - 1000	-	Bulk	1000	612-5756

# Filter Tips - Compatibility Chart

SC: Single channel pipette / MC: Multi channel pipette  
 For comprehensive fits information, please contact VWR Customer Service.



Description	Channels	Volume (µl)	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF11	AF12	AF13	AF16	AF19	
VWR Collection EHP/UHP	SC/MC	0.5-10	√														
		2-20			√												
		5-50				√											
		10-100					√										
		20-200							√								
		100-1000									√						
VWR Collection Electronic	SC	0.5-10	√														
		5-50			√												
		20-200							√								
		100-1000								√							
Biohit eLine	SC	0.2-10	√														
		5-120						√									
Biohit ePet	SC	0.2-10	√	√													
		50-1200									√						
	MC	0.2-10	√														
		25-250								√							
Biohit mLine	SC	0.1-3	√														
		0.5-10	√														
		2-20			√	√											
		10-100					√										
		20-200							√	√							
		100-1000									√						
Biohit Proline Electronic	SC	0.2-10	√														
		5-100							√							√	
		50-1000									√						
	MC	0.2-10	√														
		5-100															√
Biohit Proline	SC	0.5-10	√														
		5-50				√											
		10-100															√
		50-200								√							
		10-250									√						
		200-1000										√					
	MC	0.5-10	√														
		5-50				√											

Description	Channels	Volume (µl)	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF11	AF12	AF13	AF16	AF19	
Biohit Proline Plus	SC	0.1-3	√														
		0.5-10	√														
		2-20		√	√												
		10-100															√
		20-200								√							
		100-1000										√					
Eppendorf Electronic	SC	0.2-10	√														
		5-100			√				√								√
Biohit Proline Plus	SC	0.1-3	√														
		0.5-10	√														
		2-20		√	√												
		10-100															√
		20-200								√							
		100-1000										√					
Eppendorf Electronic	SC	0.2-10	√														
		5-100			√				√								√
Eppendorf Reference	SC	0.1-2.5	√														
		0.5-10		√													
		2-20		√	√												
		10-100					√										√
		50-200								√	√						
		100-1000										√					
Eppendorf Research Pro	SC	0.5-10	√	√													
		5-100					√										√
		50-1000										√					
	MC	0.5-10	√	√													
		5-100					√										√
Eppendorf Research & Research Plus	SC	0.5-10	√														
		2-20			√												
		10-100					√										√
		20-200							√	√							
		100-1000										√					
	MC	0.5-10	√				√										
		10-100															√
Gilson Pipetman, P	SC	0.2-2	√														
		1-10	√														
		2-20			√												
		20-100					√										√
		50-200							√	√							
		200-1000										√					

# Filter Tips - Compatibility Chart

Description	Channels	Volume (µl)	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF11	AF12	AF13	AF16	AF19	
Gilson Pipetman Ultra	SC	0.2-2	√														
		1-10	√														
		2-20			√												
		20-100															√
		20-200								√	√						
		200-1000										√					
Gilson Neo	SC	0.2-2	√														
		1-10	√														
		2-20			√												
		20-100															√
		20-200								√							
		100-1000										√					
Gilson Concept	SC	0.5-10	√														
		5-100							√								√
	MC	1-10	√														
		10-100															√
Thermo Finnpipette Digital	SC	0.2-10	√														
		0.5-10	√												√		
		2-20			√												
		5-50				√											
		100-1000										√					
		200-1000										√					
Thermo Finnpipette F1	SC	0.2-2	√														
		0.5-5	√														
		1-10	√													√	
		2-20			√												
		10-100					√										
		100-1000										√					
MC	1-10	√															
	5-50				√												
	10-100					√											

Description	Channels	Volume (µl)	AF1	AF2	AF3	AF4	AF5	AF6	AF7	AF8	AF9	AF11	AF12	AF13	AF16	AF19	
Thermo Finnpipette Focus	SC	0.3-3	√														
		0.5-5	√														
		1-10	√														√
		3-30			√												
		10-100					√										
		100-1000										√					
	MC	1-10	√														
		5-50				√											
Thermo Finnpipette Novus	SC	1-10	√														
		5-50				√											
		100-1000									√						
Rainin Classic	SC	0.1-2	√														
		0.5-10	√														
		2-20			√												
		10-100															√
		20-200								√							
Rainin Pipet Lite & Plus with LTS / E- Man Hybrid	SC/MC	0.1-2												√			
		0.5-10												√			
		2-20												√			
		10-100										√					
		20-200										√					
		100-1000											√				
		0.2-2	√														

### Filter tips

All the tips are made of high quality 100% pure virgin medical grade PP. Made in the highest quality moulds, these tips can be used whenever the work demands a higher standard. Sterile products are tested for endotoxin (pyrogen) contamination and certified to USP results. Resins are pre-tested for metal contamination. Certificates are on file by lot number for all test results.



A wider seal assures that tips will seal easily and consistently without leaking on old as well as new pipettes  
Guaranteed free of detectable DNA, DNase/RNase, endotoxins and heavy metals

Bulk					
	Type	Capacity (µl)	Compatibility	Pk	Cat. No.
	UltraFine™, extended	0,1 - 10	AF1	1000	732-0565
	UltraFine™, graduated	0,1 - 10	AF1	1000	732-0561
	Bevel Point™, graduated	0,5 - 10	AF2	1000	732-0517
	Bevel Point™	1 - 40	AF3	1000	732-0526
	Bevel Point™	1 - 50	AF4	1000	732-0567
	Bevel Point™	1 - 100	AF5	1000	732-0521
	Bevel Point™	1 - 160	AF6	1000	732-0571
	Bevel Point™, wide orifice	1 - 200	AF7	1000	732-0558
	UltraFine™	1 - 200	AF7	1000	732-0539
	Bevel Point™	1 - 300	AF8	1000	732-0535
UltraFine™	100 - 1000	AF9	1000	732-0532	

Racked					
	Type	Capacity (µl)	Compatibility	Pk	Cat. No.
	UltraFine™, extended	0,1 - 10	AF1	960	732-0542
	UltraFine™, graduated	0,1 - 10	AF1	1152	732-0515
	Bevel Point™, graduated	0,5 - 10	AF2	960	732-0518
	Bevel Point™	1 - 40	AF3	960	732-0527
	Bevel Point™	1 - 50	AF4	960	732-0568
	Bevel Point™	1 - 100	AF5	960	732-0522
	Bevel Point™	1 - 160	AF6	960	732-0529
	Bevel Point™, wide orifice	1 - 200	AF7	960	732-0559
	UltraFine™	1 - 200	AF7	960	732-0540
	Bevel Point™	1 - 300	AF8	960	732-0536
UltraFine™	100 - 1000	AF9	576	732-0533	

Racked, sterile					
	Type	Capacity (µl)	Compatibility	Pk	Cat. No.
	UltraFine™, extended	0,1 - 10	AF1	960	732-0543
	UltraFine™, graduated	0,1 - 10	AF1	1152	732-0516
	UltraFine™, graduated	0,5 - 10	AF16	960	732-1101
	Bevel Point™, graduated	0,5 - 10	AF2	960	732-0519
	HighRecovery™	0,1 - 20	AF13	960	732-0799
	Micro	0,1 - 30	AF1	960	732-1100
	Bevel Point™ (10×96)	1 - 40	AF3	960	732-0528
	Bevel Point™ (5×192)	1 - 40	AF3	960	732-0525
	Bevel Point™	1 - 50	AF4	960	732-0520
	UltraFine™, FlexTop™, graduated	1 - 50	AF4	960	732-1105
	Standard	1 - 100	AF5	960	732-1103
	Bevel Point™, graduated	1 - 100	AF5	960	732-1102
	UltraFine™, extended	1 - 100	AF5	576	732-1107
	Bevel Point™	1 - 100	AF5	960	732-0523
	Bevel Point™ (5×192)	1 - 160	AF6	960	732-0573
	Bevel Point™ (10×96)	1 - 160	AF6	960	732-0530
	HighRecovery™	1 - 200	AF13	960	732-0800
	UltraFine™	1 - 200	AF7	960	732-0541
	UltraFine™, extended	1 - 200	AF7	576	732-0610
	Bevel Point™, wide orifice	1 - 200	AF7	960	732-0544
	Bevel Point™	1 - 300	AF8	960	732-0537
	UltraFine™, extended	1 - 300	AF8	576	732-0611
	HighRecovery™	100 - 1000	AF13	576	732-0801
	UltraFine™, FlexTop™	100 - 1000	AF9	576	732-1106
	UltraFine™	100 - 1000	AF9	576	732-0534

Individually wrapped, sterile					
	Type	Capacity (µl)	Compatibility	Pk	Cat. No.
	UltraFine™, extended	0,1 - 10	AF1	200	732-0566
	UltraFine™, graduated	0,1 - 10	AF1	200	732-0562
	Bevel Point™	1 - 40	AF3	200	732-0524
	Bevel Point™	1 - 50	AF4	200	732-0569
	Bevel Point™	1 - 100	AF5	200	732-0570
	Bevel Point™	1 - 160	AF6	200	732-0572
	Bevel Point™, wide orifice	1 - 200	AF7	200	732-0560
	UltraFine™	1 - 200	AF7	200	732-0538
	Bevel Point™	1 - 300	AF8	200	732-0574
	UltraFine™	100 - 1000	AF9	200	732-0531



## Filter tips, Next Generation refill



**Tips made from pure resins with PE filter, packaging made from renewable materials**

ZAP™ Premier™ aerosol filter tips, with their patented filters made from high molecular weight polyethylene, offer complete protection from sample carry over. The filter pores have an average size of 10 µm, so even radionucleotides are captured before reaching the pipette barrel. The tips are ideal for PCR and DNA manipulation.

The Next Generation is a complete system designed with a Low Carbon footprint that includes the first ever use of bio-plastic (non petroleum) compostable resin in pipette tip refills. Next Generation's small footprint extends to the package, with a reclosable box that helps maximise storage space in crowded labs.

- Easy to use refill system - new pipette tip racks, inserts and transfer cover preventing tip wobbling during refill and keeping tips clean
- 95% renewable materials - compostable tip base from organic non petroleum resin, carton made from 100% recycled fibres, soy-based vegetable ink
- Certified DNA-/RNase-/DNase-free

**Ordering information:** Compact, reclosable packaging with reduced overall weight.

Type	Capacity (µl)	Compatibility	Packed	Pk	Cat. No.
Extended, Tubegard™ ring	0,1 - 10	AF1	10 racks, 96 each	960	732-1481
UltraFine™, graduated	0,1 - 10	AF1	10 racks, 96 each	960	732-1476
Rainin LTS®	1 - 20	AF13	10 racks, 96 each	960	732-1483
Bevel Point™	1 - 40	AF3	10 racks, 96 each	960	732-1477
Bevel Point™, graduated	1 - 100	AF19	10 racks, 96 each	960	732-1482
UltraFine™	1 - 200	AF7	10 racks, 96 each	960	732-1479
Rainin LTS®	1 - 200	AF11	10 racks, 96 each	960	732-1484
Bevel Point™	1 - 300	AF8	10 racks, 96 each	960	732-1478
UltraFine™	100 - 1000	AF9	8 racks, 96 each	768	732-1480
Rainin LTS®	100 - 1000	AF12	8 racks, 96 each	768	732-1485



## Filter tips, reload system



**Clear PP, sterile, autoclavable**

- E-beam sterilised tips are free from DNA, DNase and RNase, pyrogens, PCR inhibitors and endotoxins
- Robust, traceable racks are easy to grab with their ergonomic clips
- Reload boxes including racks feature flip lock latch for one-handed opening and closing, reversible lid with lip, flush fitting and click clip to stabilise the racks



# Pipettes, Steppers and Tips

## VWR Collection Pipettips

Description	Channels	Volume (µl)	613-0984	613-0985	613-0986	613-0987	613-0988	613-0989	613-0991	613-0992
Eppendorf Research/Research Plus	SC	0,1-2,5	√	√	√	√				
Eppendorf Research/Research Plus	SC	2-20			√	√	√	√		
Eppendorf Research/Research Plus	SC	10-100					√	√		
Eppendorf Research/Research Plus	SC	20-200					√	√	√	
Eppendorf Research/Research Plus	SC	100-1000								√
Gilson Pipetman P-2	SC	0,1-2 µl	√	√						
Gilson Pipetman P-10	SC	0,5-10 µl	√	√						
Gilson Pipetman P-20	SC	2-20 µl			√	√	√			
Gilson Pipetman P-100	SC	10-100 µl					√			
Gilson Pipetman P-200	SC	50-200 µl						√	√	
Gilson Pipetman P-1000	SC	100-1000 µl								√
Thermo Finnpipette F1 & F2	SC	0,2-2	√	√						
Thermo Finnpipette F1 & F2	SC	0,5-5	√	√						
Thermo Finnpipette F1 & F2	SC	1-10 (Micro)	√	√						
Thermo Finnpipette F1 & F2	SC	2-20					√			
Thermo Finnpipette F1 & F2	SC	10-100						√		
Thermo Finnpipette F1 & F2	SC	20-200							√	
Thermo Finnpipette F1 & F2	SC	100-1000								√
Thermo Finnpipette F1 & F2	MC	1-10	√	√						
Thermo Finnpipette F1 & F2	MC	5-50							√	
Thermo Finnpipette F1 & F2	MC	10-100						√		

SC: Single channel pipette / MC: Multichannel pipette

For more compatibility information, please contact VWR Customer Services.

Description	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Ultra-Micro, graduated (2 µl)	0,1 - 10	+	10 racks, 96 each	960	613-0984
Ultra-Micro, graduated (2,5 µl)	0,5 - 10	+	10 racks, 96 each	960	613-0985
Ultra-Micro	0,1 - 10	+	10 racks, 96 each	960	613-0986
Ultra-Micro	2 - 20	+	10 racks, 96 each	960	613-0987
Bevelled	2 - 20	+	10 racks, 96 each	960	613-0988
Bevelled	1 - 100	+	10 racks, 96 each	960	613-0989
Bevelled	2 - 200	+	10 racks, 96 each	960	613-0991
Graduated (250 / 500 / 1000 µl)	100 - 1000	+	10 racks, 96 each	960	613-0992

## Speciality filter tips

### PP

- Sterilised by gamma irradiation
- Certified RNase, DNase, DNA and pyrogen-free



Description	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Large orifice	1 - 200	+	10 racks, 96 each	960	613-0996
Large orifice, graduated (250 / 500 / 1000 µl)	100 - 1000	+	10 racks, 96 each	960	613-1037
Gel loading	2 - 20	+	10 racks, 96 each	960	613-1059
Gel loading	10 - 100	+	10 racks, 96 each	960	613-1049
Extended length	20 - 200	+	8 racks, 204 each	1632	613-1122

## Filter tips, ZAP™ Slik Low Retention



### Transparent resins, with PE filter, sterile, autoclavable

Low Retention tips offering unsurpassed fluid retention performance and proven aerosol blocking with the endotoxin-free, 10 micron patented porous hydrophobic filter. Ideal for PCR and DNA manipulation.

- Up to 10 times less fluid retention than standard tips
- Sample can be completely recovered without cutting into tip
- Lot certified purity (free from RNase/DNase, human DNA and endotoxin, non pyrogenic)



Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
ZAP™ Slik, extended	10	+	10×96	960	732-1487
ZAP™ Slik	10	+	12×96	1152	732-1486
ZAP™ Slik	20	+	10×96	960	732-1488
ZAP™ Slik	200	+	10×96	960	732-1489
ZAP™ Slik	300	+	10×96	960	732-1490
ZAP™ Slik	1000	+	6×96	576	732-1491

# Pipette Tips - Compatibility Chart, Biotix

Description	Volume (µl)	10 µl	10 µl (extended)	200 µl	300 µl	1000 µl (extended)
VWR Collection EHP	2-20			√	√	
	20-200			√	√	
	100-1000					√
VWR Collection UHP	0.1-2	√	√			
	0.5-10	√	√			
	2-20				√	
	10-100			√	√	
	20-200			√	√	
	100-1000					√
Biohit	M100			√	√	
	M200			√	√	
Biohit Proline	0.5-10	√	√			
	200-1000					√
Biohit Proline Plus	10-100				√	
	20-200			√	√	
Brand Transferpette S	0.5-10	√	√	√		
	2-20			√		
	10-100			√		
	20-200			√	√	
	100-1000					√
Brand Transferpette Electronic	20-200			√		
	15-300				√	
Eppendorf Reference	0.1-2.5	√	√			
	0.5-10	√	√			
	2-20			√		
	10-100			√		
	50-200			√		
	100-1000					√
Eppendorf Research	0.1-2.5	√	√			
	0.5-10	√	√			
	2-20			√	√	
	10-100			√	√	
	20-200			√	√	
	30-300			√	√	
	100-1000					√
Eppendorf Research Plus	0.1-2.5	√	√			
	0.5-10	√	√			
	2-20			√		
	10-100			√		
	50-200				√	
	100-1000					√

Description	Volume (µl)	10 µl	10 µl (extended)	200 µl	300 µl	1000 µl (extended)
Finnpipette	0.5-10	√	√			
	2-20			√		
	5-50	√	√	√	√	
	20-200			√	√	
	30-300			√	√	
	100-1000					√
	200-1000					√
	100-1200					√
Finnpipette Electronic	1-10	√	√			
	30-300			√	√	
Finnpipette F1	1-10	√	√			
Gilson Pipetman	P10	√	√			
	P20	√	√	√		
	P100			√		
	P200			√	√	
	P1000					√
Gilson Pipetman Ultra	U20			√		
	U200			√	√	

## Tips for pipettes

### Biotix






#### PP, low-binding, sterile

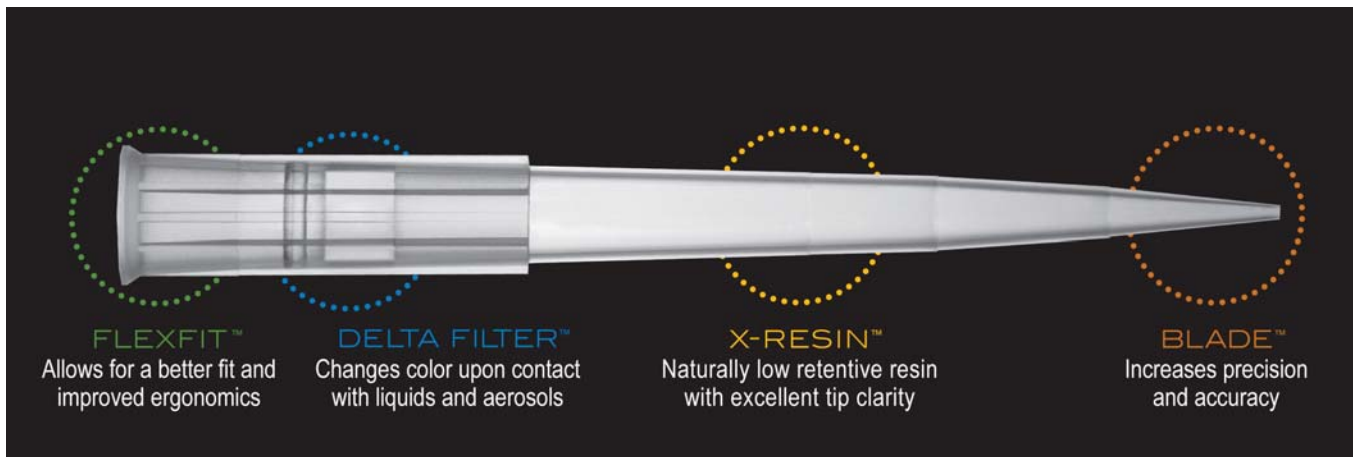
This new generation of filter tips form an excellent seal on both single and multichannel pipettes and guarantee total recovery of the sample whilst protecting the technician against the risks of repetitive strain injury.



- FLEXFIT™ system: Insertion and ejection with minimum force
- X-RESIN™ technology: Polymer transparency and minimum binding
- BLADE™ technology: No residual drops
- DNase-, RNase- and pyrogen-free tips


**Packaging:** Box of 96 tips with Phantom hinge lid for easy rack opening. Item code, colour code and individual barcode on each rack.


	Type	Capacity (µl)	Colour code	Sterile	Packed	Pk	Cat. No.
	Standard	10	Natural	+	10 racks, 96 each	960	613-1376
	Extended	10	Natural	+	10 racks, 96 each	960	613-1377
	Standard	200	Natural	+	10 racks, 96 each	960	613-1378
	Standard	300	Natural	+	10 racks, 96 each	960	613-1379
	Standard	1250	Natural	+	10 racks, 88 each	880	613-1380



## E-BUSINESS

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Description	Volume (µl)	10 µl	10 µl (extended)	20 µl	100 µl	300 µl	1000 µl (extended)
VWR Collection EHP	2-20			√	√	√	
	20-200			√	√	√	
	100-1000						√
VWR Collection UHP	0.1-2	√	√				
	0.5-10	√	√				
	2-20					√	
	10-100			√	√	√	
	20-200			√	√	√	
	100-1000						√
Biohit	M100			√	√	√	
	M200			√	√	√	
Biohit Proline	0.5-10	√	√				
	200-1000						√
Biohit Proline Plus	10-100					√	
	20-200			√	√	√	
Brand Transferpette S	0.5-10	√	√				
	2-20			√	√		
	10-100			√	√		
	20-200			√	√	√	
	100-1000						√
Brand Transferpette Electronic	20-200			√	√		
	15-300					√	
Eppendorf Reference	0.1-2.5		√				
	0.5-10	√	√				
	2-20			√	√		
	10-100			√	√		
	50-200			√	√		
	100-1000						√
Eppendorf Research	0.1-2.5		√				
	0.5-10	√	√				
	2-20			√	√		
	10-100			√	√	√	
	20-200			√	√	√	
	30-300			√	√	√	
	100-1000						√
Eppendorf Research Plus	0.1-2.5		√				
	0.5-10	√	√				
	2-20			√	√		
	10-100			√	√		
	50-200					√	
	100-1000						√

## Filter Tips - Compatibility Chart, Biotix

Description	Volume (µl)	10 µl	10 µl (extended)	20 µl	100 µl	300 µl	1000 µl (extended)
Finnpipette	0.5-10	√	√				
	2-20			√	√		
	5-50	√	√	√	√	√	
	20-200			√	√	√	
	30-300			√	√	√	
	100-1000						√
	200-1000						√
	100-1200						√
Finnpipette Electronic	1-10	√	√				
	30-300			√	√	√	
Finnpipette F1	1-10	√	√				
Gilson Pipetman	P10	√	√				
	P20	√	√	√	√		
	P100			√	√		
	P200			√	√	√	
	P1000						√
Gilson Pipetman Ultra	U20			√	√		
	U200			√	√	√	



## Filter tips

### Biotix


#### PP, low-binding, sterile

This new generation of filter tips form an excellent seal on both single and multichannel pipettes, warn of contamination risk by an aerosol and guarantee total recovery of the sample whilst protecting the technician against the risks of repetitive strain injury.



- FLEXFIT™ system: Insertion and ejection with minimum force
- X-RESIN™ technology: Polymer transparency and minimum binding
- DELTA FILTER™ system: Filter with coloured contamination indicator
- BLADE™ technology: No residual drops
- DNase-, RNase- and pyrogen-free tips

**Packaging:** Box of 96 tips with Phantom hinge lid for easy rack opening. Item code, colour code and individual barcode on each rack.

	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	10	+	10 racks, 96 each	960	732-1429
	10 µl (XL)	+	10 racks, 96 each	960	732-1430
	20	+	10 racks, 96 each	960	732-1432
	100	+	10 racks, 96 each	960	732-1433
	300	+	10 racks, 96 each	960	732-1434
	1250	+	10 racks, 88 each	880	732-1435

# Pipette Tips - Compatibility Chart, Axygen

SC: Single channel pipette / MC: Multi channel pipette

For comprehensive fits information, please contact VWR Customer Service.

Description	Channels	Volume (µl)	0.1-10 µl	0.1-20 µl	1-200 µl	1-200 µl (graduated)	1-250 µl	1-300 µl	100-1000 µl	100-1200 µl	
VWR Collection	SC	0.2-2	√								
		0.5-10	√								
		2-20			√	√					
		5-50			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
		50-200			√	√	√	√			
		100-1000							√	√	
	MC	1-10									
		5-50			√	√	√	√			
		20-200			√	√	√	√			
		50-300			√	√	√	√			
	Axygen Axytip	SC	0.1-2	√							
0.5-10			√								
2-20					√	√					
5-50					√	√					
10-100					√	√	√	√			
20-200					√	√	√	√			
50-250							√				
100-1000									√	√	
MC		1-10	√								
		5-50			√	√	√	√			
		20-200			√	√	√	√			
		50-300			√	√	√	√			
Biohit Proline	SC	0.2-10	√								
		5-100			√	√	√	√			
		10-250			√	√	√	√			
		10-500							√	√	
		50-1000							√	√	
	MC	0.2-10	√								
		5-100			√	√	√	√			
		25-250			√	√	√	√			

Description	Channels	Volume (µl)	0.1-10 µl	0.1-20 µl	1-200 µl	1-200 µl (graduated)	1-250 µl	1-300 µl	100-1000 µl	100-1200 µl	
Biohit mLine	SC	0.5-10	√								
		2-20			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
		100-1000							√	√	
	MC	0.5-10	√								
		5-100			√	√	√	√			
30-300				√	√	√	√				
Biohit eLine	SC	0.2-10	√								
		5-120			√	√	√	√			
		10-300			√	√	√	√			
		50-1000							√	√	
	MC	0.2-10	√								
		5-120			√	√					
		10-300			√	√					
Brand Transferpette	SC	0.1-1	√								
		0.5-10	√								
		2-20 (Micro)		√							
		2-20			√	√					
		5-50			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
		25-250			√	√	√	√			
		100-1000								√	√
	MC	0.5-10	√								
		2-20			√	√					
		2.5-25			√	√					
		5-50			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
30-300			√	√	√	√					
Eppendorf Reference	SC	0.1-10	√								
		2-20 (Micro)		√							
		2-20			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
		100-1000								√	√

# Pipette Tips - Compatibility Chart, Axygen

Description	Channels	Volume (µl)	0.1-10 µl	0.1-20 µl	1-200 µl	1-200 µl (graduated)	1-250 µl	1-300 µl	100-1000 µl	100-1200 µl	
Eppendorf Research	SC	0.1-2.5	√								
		0.5-10	√								
		2-20			√	√					
		10-100			√	√	√	√			
		20-200			√	√	√	√			
		100-1000							√	√	
	MC	0.5-10	√								
		5-100			√						
		50-100			√	√	√	√			
		20-300			√	√	√	√			
		30-300			√	√	√	√			
		50-1200				√	√	√	√	√	
Eppendorf electronic	SC	0.5-10	√								
		5-100			√	√	√	√			
		2-200			√	√	√	√			
		50-1000							√	√	
Thermo Finnpipette	SC	0.2-10	√								
		0.5-10	√								
		5-40			√	√					
		40-200			√	√	√	√			
		100-1000							√	√	
		200-1000							√	√	
	MC	5-50			√	√					
50-300				√	√	√	√				
Gilson Pipetman	SC	P2	√								
		P10	√								
		P20			√	√					
		P100			√	√	√	√			
		P200			√	√	√	√			
		P1000								√	√
	MC	P200			√	√	√	√			
Rainin EDP3	SC	E-MC-10	√								
		E2-25			√	√					
		E2-100			√	√	√	√			
		E2-250			√	√	√	√			
		E2-100							√	√	
	MC	EP-M8-10	√								
		EP-M8-250			√	√	√	√			

Description	Channels	Volume (µl)	0.1-10 µl	0.1-20 µl	1-200 µl	1-200 µl (graduated)	1-250 µl	1-300 µl	100-1000 µl	100-1200 µl
Rainin Latch Mode	SC	R2	√							
		R10	√							
		R20			√	√				
		R100			√	√	√	√		
		R200			√	√	√	√		
		R1000								√

### Pipette tips, universal, Axygen

Corning



PP, autoclavable

- Compatible with most micropipettes
- Smooth finish for minimum retention of collected sample
- Certified free of RNase, DNase and endotoxins

**Ordering information:** Available loose or in racks, sterile or non sterile versions.

#### Microvolume 10 µl

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 10	-	Bulk	1000	613-0640
0,5 - 10	-	10 racks, 96 each	960	613-0641
0,5 - 10	-	Stack rack incl. 5 racks, 96 each	480	613-0642
0,5 - 10	+	10 racks, 96 each	960	613-0628

#### Microvolume 10 µl, extended

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 10	-	Bulk	1000	613-0643
0,5 - 10	-	Stack Rack incl. 10 racks, 96 each	960	613-0644
0,5 - 10	+	10 racks, 96 each	960	613-0645

#### Ultra-Micro 20 µl

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 20	-	Bulk	1000	613-0646
0,5 - 20	-	10 racks, 96 each	960	613-0647
0,5 - 20	+	10 racks, 96 each	960	613-0648

#### 200 µl, bevelled

Capacity (µl)	Sterile	Colour code	Packed	Pk	Cat. No.
1 - 200	-	Transparent	Bulk	1000	613-0649
1 - 200	-	Yellow	Bulk	1000	613-0901
1 - 200	-	Transparent	10 racks, 96 each	960	613-0650
1 - 200	-	Transparent	Stack rack incl. 5 racks, 96 each	480	613-0651
1 - 200	+	Transparent	10 racks, 96 each	960	613-0629

#### 200 µl, extended

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1 - 200	-	Bulk	1000	613-0652
1 - 200	-	10 racks, 96 each	960	613-0653
1 - 200	-	Stack rack incl. 5 racks, 96 each	480	613-0655
1 - 200	+	10 racks, 96 each	960	613-0654

#### 200 µl, bevelled, graduated (10, 50, 100 µl)

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1 - 200	-	Bulk	1000	613-0656
1 - 200	-	10 racks, 96 each	960	613-0657
1 - 200	-	Stack rack incl. 5 racks, 96 each	480	613-0659
1 - 200	+	10 racks, 96 each	960	613-0658

#### 250 µl, bevelled, graduated (10, 50, 100 µl)

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1 - 250	-	Bulk	1000	613-0660
1 - 250	-	10 racks, 96 each	960	613-0661
1 - 250	+	10 racks, 96 each	960	613-0662

#### 300 µl, extended

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1 - 300	-	Bulk	1000	613-0666
1 - 300	-	10 racks, 96 each	960	613-0667
1 - 300	+	10 racks, 96 each	960	613-0668

#### 1000 µl, bevelled

Capacity (µl)	Sterile	Colour code	Packed	Pk	Cat. No.
100 - 1000	-	Transparent	Bulk	1000	613-0669
100 - 1000	-	Blue	Bulk	1000	613-0965
100 - 1000	-	Transparent	10 racks, 100 each	1000	613-0670
100 - 1000	+	Transparent	10 racks, 100 each	1000	613-0630

1200 µl, bevelled				
Capacity (µl)	Sterile	Packed	Pk	Cat. No.
100 - 1200	-	Bulk	1000	613-0671
100 - 1200	-	12 racks, 96 each	1152	613-0672
100 - 1200	+	12 racks, 96 each	1152	613-0673
Macrovolume 5000 µl				
Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1000 - 5000	-	Bulk	250	613-0663
Macrovolume 10 000 µl				
Capacity (µl)	Sterile	Packed	Pk	Cat. No.
1000 - 10000	-	Bulk	2000	613-0791

## Pipette tips, Maxymum Recovery™, Axxygen Corning



### PP

- Ultra-smooth surface avoids sample retention, saving costly reagents and precious samples
- Tips can be fitted and ejected effortlessly thanks to their supple walls and internal sealing rings
- Certified free of RNase, DNase and endotoxins

**Ordering information:** Available loose, in racks or rack towers, sterile or non sterile.

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
10 µl				
0,5 - 10	-	Bulk	1000	613-0436
0,5 - 10	-	10 racks, 96 each	960	613-0437
0,5 - 10	+	10 racks, 96 each	960	613-0438
0,5 - 10	-	Stack rack incl. 5 racks, 96 each	480	613-0439
10 µl, extended				
0,5 - 10	-	10 racks, 96 each	960	732-7513
0,5 - 10	-	Bulk	1000	732-7512
20 µl				
0,5 - 20	-	Bulk	1000	613-0440
0,5 - 20	-	10 racks, 96 each	960	613-0441
0,5 - 20	+	10 racks, 96 each	960	613-0442
200 µl, bevelled				
1 - 200	-	Bulk	1000	613-0443
1 - 200	-	10 racks, 96 each	960	613-0444
1 - 200	-	Stack rack incl. 5 racks, 96 each	480	613-0446
1 - 200	+	10 racks, 96 each	960	613-0665
200 µl, bevelled, reference (10, 50, 100 µl)				
1 - 200	-	Bulk	1000	613-0447
1 - 200	-	10 racks, 96 each	960	613-0448
1 - 200	+	10 racks, 96 each	960	613-0449
1 - 200	-	Stack rack incl. 5 racks, 96 each	480	613-0450
250 µl, bevelled, reference (10, 50, 100 µl)				
1 - 250	-	Bulk	1000	613-0451
1 - 250	-	10 racks, 96 each	960	613-0452
1 - 250	+	Stack rack incl. 5 racks, 96 each	480	613-0453
300 µl, extended				
1 - 300	-	Bulk	1000	613-0454
1 - 300	-	10 racks, 96 each	960	613-0455
1 - 300	+	10 racks, 96 each	960	613-0456
1000 µl, bevelled				
100 - 1000	-	Bulk	1000	613-0457
100 - 1000	-	10 racks, 100 each	1000	613-0458
100 - 1000	+	10 racks, 100 each	1000	613-0459

# Filter Tips - Compatibility Chart, Axygen

SC: Single channel pipette / MC: Multi channel pipette

For comprehensive fits information, please contact VWR Customer Service.

Description	Channels	Volume (µl)	0.1-10 µl	0.1-10 µl (ext.)	0.1-20 µl	0.5-20 µl	0.5-50 µl	1-100 µl	1-150 µl	1-200 µl	1-300 µl	100-1000 µl	100-1000 µl (wide bore)	100-1100 µl	
VWR Collection	SC	0.2-2	√	√											
		0.5-10	√	√											
		2-20				√									
		5-50					√								
		10-100							√						
		20-200									√				
		50-200									√	√			
		100-1000											√	√	√
	MC	1-10	√	√											
		5-50					√								
20-200										√					
50-300										√	√				
Axygen Axyjet	SC	0.1-2	√	√											
		0.5-10	√	√											
		2-20				√									
		5-50					√								
		10-100							√						
		20-200									√				
		50-250										√			
		100-1000											√	√	√
	MC	1-10	√	√											
		5-50					√								
20-200										√					
50-300											√				
Biohit Proline	SC	0.2-10	√	√											
		5-100							√	√					
		10-250									√				
		10-500													
		50-1000											√	√	√
	MC	0.2-10	√	√											
5-100								√	√						
25-250										√	√				
Biohit eLine	SC	0.2-10	√	√											
		5-120							√	√					
		10-300									√	√			
		50-1000											√	√	√
	MC	0.2-10	√	√											
		5-120							√	√					
		10-300							√	√					

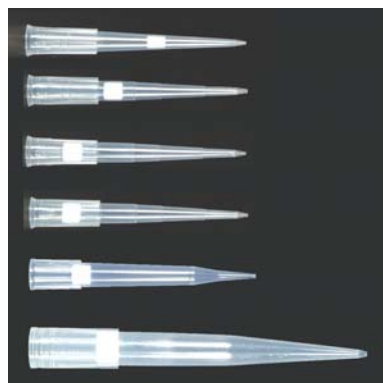


Description	Channels	Volume (µl)	0.1-10 µl	0.1-10 µl (ext.)	0.1-20 µl	0.5-20 µl	0.5-50 µl	1-100 µl	1-150 µl	1-200 µl	1-300 µl	100-1000 µl	100-1000 µl (wide bore)	100-1100 µl	
Brand Transferpette	SC	0.1-1	√	√											
		0.5-10	√	√											
		2-20 (Micro)			√										
		2-20				√									
		5-50					√								
		10-100						√							
		20-200								√					
		25-250									√	√			
		100-1000											√	√	√
	MC	0.5-10	√	√											
		2-20	√	√											
		2.5-25	√	√											
		5-50					√								
		10-100						√							
		20-200								√					
		30-300										√	√	√	√
Eppendorf Reference	SC	0.1-10	√	√											
		2-20 (Micro)			√										
		2-20				√									
		10-100					√								
		20-200							√						
		100-1000										√	√	√	
Eppendorf Research	SC	0.1-2.5		√											
		0.5-10	√	√											
		2-20			√										
		10-100				√									
		20-200							√						
		100-1000										√	√	√	
	MC	0.5-10	√	√											
		5-100						√							
		50-100						√	√	√					
		20-300							√	√					
30-300															
50-1200													√		
Eppendorf electronic	SC	0.5-10	√	√											
		5-100					√								
		2-200							√						
		50-1000										√	√	√	
Thermo Finnpipette	SC	0.2-10	√	√											
		0.5-10	√	√											
		5-40					√								
		40-200							√	√					
		100-1000										√	√	√	
	200-1000										√	√	√		
	MC	5-50					√								
50-300							√	√	√						

# Filter Tips - Compatibility Chart, Axygen

Description	Channels	Volume (µl)	0.1-10 µl	0.1-10 µl (ext.)	0.1-20 µl	0.5-20 µl	0.5-50 µl	1-100 µl	1-150 µl	1-200 µl	1-300 µl	100-1000 µl	100-1000 µl (wide bore)	100-1100 µl	
Gilson Pipetman	SC	P2	√	√											
		P10	√	√											
		P20				√									
		P100							√						
		P200									√				
		P1000											√	√	√
	MC	P200								√					
Rainin EDP3	SC	E-MC-10	√	√											
		E2-25				√	√								
		E2-100							√						
		E2-250									√				
		E2-100											√	√	
	MC	EP-M8-10	√	√											
		EP-M8-250								√	√				
Rainin Latch Mode	SC	R2	√	√											
		R10	√	√											
		R20				√									
		R100							√						
		R200									√				
		R1000											√	√	

## Filter Tips, Classic and Maxymum Recovery™, Axygen Corning



### PP, sterile

- Free of DNA, RNase, DNase, pyrogens and metals
- Maxymum Recovery™ tips have an ultra-smooth surface designed to reduce sample retention and sample loss, and to avoid denaturation of the sample
- Sterilised by gamma radiation



Description	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>Classic filter tips</b>					
Microvolume	0,5 - 10	+	10 racks, 96 each	960	732-0637
Microvolume, extended	0,5 - 10	+	10 racks, 96 each	960	732-0638
Ultra-micro	0,5 - 10	+	10 racks, 96 each	960	732-0639
Universal	0,5 - 20	+	10 racks, 96 each	960	732-0640
Universal	0,5 - 50	+	10 racks, 96 each	960	732-0641
Universal	1 - 100	+	10 racks, 96 each	960	732-0642
Universal	1 - 150	+	10 racks, 96 each	960	732-0643
Universal	1 - 200	+	10 racks, 96 each	960	732-0644
Universal	1 - 300	+	10 racks, 96 each	960	732-0646
Wide bore	5 - 200	+	10 racks, 96 each	960	732-0645
Universal	100 - 1000	+	10 racks, 100 each	1000	732-0647
Wide bore	100 - 1000	+	10 racks, 100 each	1000	732-0648
Universal	100 - 1200	+	12 racks, 96 each	1152	732-1404
<b>Maxymum Recovery™ filter tips</b>					
Microvolume	0,5 - 10	+	10 racks, 96 each	960	732-0649
Microvolume, extended	0,5 - 10	+	10 racks, 96 each	960	732-7511
Ultra-micro	0,5 - 10	+	10 racks, 96 each	960	732-0651
Universal	0,5 - 20	+	10 racks, 96 each	960	732-0652
Universal	0,5 - 50	+	10 racks, 96 each	960	732-0653
Universal	1 - 100	+	10 racks, 96 each	960	732-0862
Universal	1 - 150	+	10 racks, 96 each	960	732-0654
Universal	1 - 200	+	10 racks, 96 each	960	732-0655
Wide bore	5 - 200	+	10 racks, 96 each	960	732-0656
Universal	100 - 1000	+	10 racks, 100 each	1000	732-0863
Universal	100 - 1200	+	12 racks, 96 each	1152	732-0935

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# Pipette Tips - Compatibility Chart, Molecular BioProducts

SC: Single channel pipette / MC: Multi channel pipette  
 For comprehensive fits information, please contact VWR Customer Service.

Description	Channels	Volume (µl)	10 µl	10 µl (ext.)	20 µl (Micro)	20 µl (SoftFit-L)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (Micro)	300 µl (SoftFit-L)	1000 µl (SoftFit)	1000 µl (SoftFit-L)	1200 µl (SoftFit-L)	
VWR Collection EHP	SC	0.2-2	√												
		0.5-10		√											
		2-20					√								
		5-50					√								
		10-100					√								
		20-200					√								
		50-250							√						
	100-1000											√			
	MC	1-10		√											
		5-50					√								
		20-200					√								
		50-300							√						
	VWR Collection UHP	SC	0.2-2	√											
			0.5-10		√										
2-20							√								
10-100							√								
20-200							√								
100-1000													√		
MC		1-10		√											
		5-50					√								
		20-200					√								
		50-300							√						
VWR Electronic	SC	0.5-10		√											
		2-20					√								
		10-200					√								
	MC	0.5-10		√											
		2-20					√								
		10-200					√								
		100-1200											√		
Biohit Proline	SC	0.1-2.5	√												
		0.5-10		√											
		5-50					√								
		10-100					√								
		20-200					√								
		100-1000											√		
	MC	0.5-10		√											
		5-50					√								
		50-300						√							

Description	Channels	Volume (µl)	10 µl	10 µl (ext.)	20 µl (Micro)	20 µl (SoftFit-L)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (Micro)	300 µl (SoftFit-L)	1000 µl (SoftFit)	1000 µl (SoftFit-L)	1200 µl (SoftFit-L)
Biohit Proline Plus	SC	0.1-3	√											
		0.5-10		√										
		2-20					√							
		10-100					√							
		20-200					√							
		100-1000										√		
	MC	0.5-10		√										
		10-100					√							
		30-300							√					
Biohit mLine	SC	0.1-3	√											
		0.5-10		√										
		2-20					√							
		10-100					√							
		20-200					√							
		100-1000										√		
	MC	0.5-10		√										
		5-100					√							
Biohit eLine	SC	0.2-10		√										
		5-120							√					
		10-300								√				
	MC	0.2-10		√										
		5-100					√							
		25-250								√				
Brand Transferpette S	SC	0.1-1	√											
		0.5-10		√										
		2-20					√							
		20-200					√							
	MC	0.5-10		√										
		20-200					√							
		30-300								√				
Brand Transferpette electronic	SC	0.5-10		√										
		2-20					√							
		20-200					√							
	MC	0.5-10		√										
		1-20					√							
		10-200					√							
		15-300								√				

# Pipette Tips - Compatibility Chart, Molecular BioProducts

Description	Channels	Volume (µl)	10 µl	10 µl (ext.)	20 µl (Micro)	20 µl (SoftFit-L)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (Micro)	300 µl (SoftFit-L)	1000 µl (SoftFit)	1000 µl (SoftFit-L)	1200 µl (SoftFit-L)	
Eppendorf Research	SC	0.1-2.5		√											
		0.5-10		√	√										
		2-20					√								
		20-200					√								
		100-1000										√			
	MC	0.5-10		√											
Eppendorf Research Plus	SC	0.1-2.5		√											
		0.5-10		√											
		20-200					√								
		100-1000										√			
	MC	0.5-10		√											
		30-300								√					
Eppendorf Xplorer	SC	0.5-10		√											
		15-300								√					
		50-1000										√			
	MC	0.5-10		√											
		15-300									√				
		50-1000										√			
Thermo Finnpipette F1/F2	SC	0.2-2 (Micro)	√												
		0.5-5 (Micro)		√											
		1-10 (Micro)		√											
		1-10							√						
		2-20 (Micro)			√										
		2-20					√								
		5-50								√					
		10-100								√					
		20-200						√							
		30-300									√				
		100-1000											√		
Thermo Finnpipette Novus electronic	SC	1-10			√										
		5-50									√				
		10-100								√					
		30-300									√				
	MC	1-10		√											
		5-50								√					
		30-300									√				

Description	Channels	Volume (µl)	10 µl	10 µl (ext.)	20 µl (Micro)	20 µl (SoftFit-L)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (Micro)	300 µl (SoftFit-L)	1000 µl (SoftFit)	1000 µl (SoftFit-L)	1200 µl (SoftFit-L)	
Gilson Pipetman	SC	P2	√												
		P10		√											
		P20					√								
		P100					√								
		P200					√								
		P1000											√		
Gilson Neo	SC	P2	√												
		P10		√											
		P20					√								
		P100					√								
		P200					√								
		P1000											√		
	MC	20					√								
		200						√							
Gilson Neo Concept (electronic)	SC	10		√											
		100					√								
		300								√					
	MC	10		√											
		100						√							
		300								√					
Rainin Classic	SC	2	√												
		10		√											
		20						√							
		100						√							
		200						√							
		1000											√		
Rainin Lite	SC	2	√												
		10		√											
		20						√							
		100						√							
		200						√							
		300									√				
		1000											√		

# Pipette Tips - Compatibility Chart, Molecular BioProducts

Description	Channels	Volume (µl)	10 µl	10 µl (ext.)	20 µl (Micro)	20 µl (SoftFit-L)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (Micro)	300 µl (SoftFit-L)	1000 µl (SoftFit)	1000 µl (SoftFit-L)	1200 µl (SoftFit-L)	
Rainin Lite LTS	SC	2				√									
		10				√									
		20				√									
		100						√							
		200						√							
		300									√				
	1000												√		
	MC	10				√									
		20				√									
		50						√							
		200						√							
		300									√				
1200														√	
Rainin Lite XLS	SC	2				√									
		10				√									
		20				√									
		100						√							
		200						√							
		300									√				
		1000												√	
Rainin Lite XLS-LTS	SC	2				√									
		10				√									
		20				√									
		100						√							
		200						√							
		300									√				
		1000												√	
Rainin Lite XLA-LTS	MC	10				√									
		20				√									
		50						√							
		200						√							
		300									√				
		1200													√



## Pipette tips Molecular BioProducts



### Transparent PP

- Available as non sterile bulk or racked; and as sterile racked
- Certified sterile tips, free of DNase, RNase, DNA and pyrogens (sterilised by gamma radiation)
- SoftFit® design assures a consistent, reliable fit for all channels of the pipette, which in turn ensures reliable distribution of the liquid

IVD

**Ordering information:** Supplied loose bagged and non sterile, sterile in racks, in BreakThru packaging (recyclable, economical packaging in a box).

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
MBP 10	10	-	Bulk	1000	612-9751
MBP 10	10	-	10 racks, 96 each	960	612-9731
MBP 10 Pure	10	+	10 racks, 96 each	960	612-9711
MBP 10 Micro	10	+	10 racks, 96 each	960	732-1524
MBP 10 Reach (Extended)	10	-	Bulk	1000	612-9750
MBP 10 Reach (Extended)	10	-	10 racks, 96 each	960	612-9730
MBP 10 Reach Pure (Extended)	10	+	10 racks, 96 each	960	612-9710
MBP 10 Reach Low Retention (Extended)	10	-	Bulk	1000	732-0321
MBP 10 Reach Pure Low Retention (Extended)	10	+	10 racks, 96 each	960	732-0322
MBP 10 Reach Low Retention (Extended)	10	-	10 racks, 96 each	960	732-0323
MBP 20 Ultra-Micro	20	-	Bulk	1000	612-9749
MBP 20 Ultra-Micro Low Retention	20	-	Bulk	1000	732-0324
MBP 20 Ultra-Micro Pure	20	+	10 racks, 96 each	960	612-9709
MBP 20 Ultra-Micro Pure Low Retention	20	+	10 racks, 96 each	960	732-0325
MBP 20 Ultra-Micro	20	-	10 racks, 96 each	960	612-9729
MBP 20 Ultra-Micro Low Retention	20	-	10 racks, 96 each	960	732-0326
MBP 20 SoftFit® Pure Low Retention	20	+	10 racks, 96 each	960	732-0327
MBP 20 SoftFit® Pure	20	+	10 racks, 96 each	960	732-1523
MBP 20 SoftFit® Low Retention	20	-	10 racks, 96 each	960	732-0328
MBP 20 SoftFit®	20	-	10 racks, 96 each	960	732-1522
MBP 200	200	-	Bulk	1000	612-9748
MBP 200	200	-	10 racks, 96 each	960	612-9728
MBP 200	200	+	10 racks, 96 each	960	612-9708
MBP 200L Low Retention	200	-	Bulk	1000	732-0466
MBP 200L Pure Low Retention	200	+	10 racks, 96 each	960	732-0467
MBP 200L Low Retention	200	-	10 racks, 96 each	960	732-0468
MBP 200 XLP (Extended)	200	-	Bulk	1000	732-2249
MBP 200 XLP (Extended)	200	-	8 racks, 96 each	768	732-2334
MBP 200 XLP Pure (Extended)	200	+	8 racks, 96 each	768	732-2333
MBP 200 XLG (Extended, Genomic)	200	-	Bulk	1000	732-2258
MBP 200 XLG Pure (Extended, Genomic)	200	+	8 racks, 96 each	768	732-2340
MBP 200 XLG (Extended, Genomic)	200	-	8 racks, 96 each	768	732-2341
MBP 200 SoftFit® Pure	200	+	10 racks, 96 each	960	613-1863
MBP 200 SoftFit®	200	-	10 racks, 96 each	960	613-1862
MBP 200G (Genomic)	200	-	Bulk	1000	732-2248
MBP 200G (Genomic)	200	-	10 racks, 96 each	960	732-2332
MBP 200G Pure (Genomic)	200	+	10 racks, 96 each	960	732-2331
MBP 300	300	-	Bulk	1000	612-9747
MBP 300	300	-	10 racks, 96 each	960	612-9727
MBP 300 Pure	300	+	10 racks, 96 each	960	612-9707
MBP 300U SoftFit® Pure	300	+	10 racks, 96 each	960	732-2262
MBP 300E (MicroPoint)	300	-	Bulk	1000	612-9746
MBP 300E (MicroPoint)	300	-	10 racks, 96 each	960	612-9726
MBP 300E Pure (MicroPoint)	300	+	10 racks, 96 each	960	612-9706
MBP 300U SoftFit®	300	-	10 racks, 96 each	960	732-2342
MBP 300U SoftFit® Low Retention	300	-	10 racks, 96 each	960	732-2343
MBP 300U SoftFit® Pure Low Retention	300	+	10 racks, 96 each	960	736-0003
MBP 1000 SoftFit®	1000	-	Bulk	1000	612-9745
MBP 1000 SoftFit®	1000	-	8 racks, 100 each	800	612-9725
MBP 1000 SoftFit® Pure	1000	+	8 racks, 100 each	800	612-9702
MBP 1000 SoftFit® Pure Low Retention	1000	+	8 racks, 100 each	800	732-1526
MBP 1000 SoftFit® Low Retention	1000	-	8 racks, 100 each	800	732-1525
MBP 1000G (Genomic)	1000	-	Bulk	1000	732-2254
MBP 1000G Pure (Genomic)	1000	+	8 racks, 100 each	800	732-2335
MBP 1000G (Genomic)	1000	-	8 racks, 100 each	800	732-2336
MBP 1000L SoftFit® Pure (for LiteTouch pipettes)	1000	+	8 racks, 96 each	768	613-1864
MBP 1000L SoftFit® (for LiteTouch pipettes)	1000	-	8 racks, 100 each	800	613-1861

# Filter Tips - Compatibility Chart, Molecular BioProducts

SC: Single channel pipette / MC: Multi channel pipette  
 For comprehensive fits information, please contact VWR Customer Service.

Description	Channels	Volume $\mu$ l	10 $\mu$ l (ext.)	10 $\mu$ l (Micro)	20 $\mu$ l (SoftFit-L)	100 $\mu$ l (Micro)	200 $\mu$ l (SoftFit-L)	300 $\mu$ l (SoftFit-L)	1000 $\mu$ l (ext.)	1000 $\mu$ l (SoftFit-L)	1200 $\mu$ l (SoftFit-L)	5000 $\mu$ l	
VWR Collection EHP	SC	0.2-2		√									
		0.5-10	√										
		2-20			√								
		5-50					√						
		10-100					√						
		20-200						√					
		50-250						√					
		100-1000								√			
		1000-5000											√
	MC	1-10	√										
		5-50					√						
		20-200						√					
		50-300						√					
VWR Collection UHP	SC	0.2-2		√									
		0.5-10	√										
		2-20			√								
		10-100					√						
		20-200						√					
		100-1000								√			
	MC	1-10	√										
		5-50					√						
		20-200						√					
		50-300						√					
VWR Collection Electronic	SC	0.5-10	√										
		2-20			√								
		10-200						√					
		100-1200								√			
	MC	0.5-10	√										
		2-20			√								
		10-200						√					
		100-1200								√			
Biohit Proline	SC	0.1-2.5		√									
		0.5-10	√										
		5-50					√						
		10-100					√						
		20-200						√					
		100-1000								√			
	MC	0.5-10	√										
		5-50					√						
		50-300					√						

Description	Channels	Volume $\mu$ l	10 $\mu$ l (ext.)	10 $\mu$ l (Micro)	20 $\mu$ l (SoftFit-L)	100 $\mu$ l (Micro)	200 $\mu$ l (SoftFit-L)	300 $\mu$ l (SoftFit-L)	1000 $\mu$ l (ext.)	1000 $\mu$ l (SoftFit-L)	1200 $\mu$ l (SoftFit-L)	5000 $\mu$ l	
Biohit Proline Plus	SC	0.1-3		√									
		0.5-10	√										
		2-20			√								
		10-100					√						
		20-200						√					
		100-1000								√			
	MC	0.5-10	√										
		10-100					√						
30-300							√						
Biohit mLine	SC	2-20			√								
		10-100					√						
		20-200						√					
		100-1000								√			
	MC	0.5-10	√										
		5-100						√					
Biohit eLine	SC	0.2-10	√										
		5-120				√							
		10-300						√					
		50-1000								√			
	MC	0.2-10	√										
		5-120				√							
		10-300						√					
		50-1200							√				
Brand Transferpette S	SC	0.1-1		√									
		0.5-10	√										
		2-20			√								
		10-100					√						
		20-200						√					
		100-1000								√			
	MC	0.5-10	√										
		5-50					√						
		10-100					√						
		20-200						√					
		30-300						√					

# Filter Tips - Compatibility Chart, Molecular BioProducts

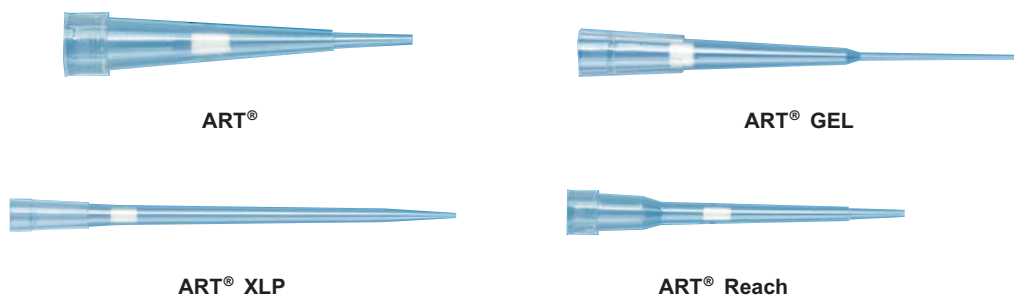
Description	Channels	Volume $\mu$ l	10 $\mu$ l (ext.)	10 $\mu$ l (Micro)	20 $\mu$ l	20 $\mu$ l (SoftFit-L)	100 $\mu$ l	100 $\mu$ l (Micro)	200 $\mu$ l	200 $\mu$ l (SoftFit-L)	300 $\mu$ l	300 $\mu$ l (SoftFit-L)	1000 $\mu$ l	1000 $\mu$ l (ext.)	1000 $\mu$ l (SoftFit-L)	1200 $\mu$ l (SoftFit-L)	5000 $\mu$ l	
Brand Trans-ferpette electronic	SC	0.5-10	√															
		2-20			√													
		20-200								√								
		100-1000												√				
	MC	0.5-10	√															
		1-20			√													
		10-200								√								
15-300										√								
Eppendorf Research	SC	0.1-2.5	√															
		0.5-10		√														
		2-20			√													
		10-100						√										
		20-200							√									
	100-1000												√					
	MC	0.5-10	√															
10-100							√											
30-300										√								
Eppendorf Research Plus	SC	2-20						√										
		10-100						√										
		20-200							√									
		100-1000											√					
	MC	0.5-10	√															
		10-100						√										
30-300										√								
Eppendorf Xplorer	SC	0.5-10	√															
		5-100						√										
		15-300									√							
		50-1000											√					
	MC	0.5-10	√															
		5-100						√										
		15-300									√							
50-1200												√						
Thermo F1/F2	SC	0.2-2 (Micro)		√														
		0.5-5 (Micro)	√															
		1-10 (Micro)	√															
		1-10	√															
		2-20			√													
		5-50						√										
		10-100						√										
		20-200							√									
		30 - 300									√							
		100-1000												√				

Description	Channels	Volume $\mu$ l	10 $\mu$ l (ext.)	10 $\mu$ l (Micro)	20 $\mu$ l (SoftFit-L)	100 $\mu$ l (Micro)	200 $\mu$ l (SoftFit-L)	300 $\mu$ l (SoftFit-L)	1000 $\mu$ l (ext.)	1000 $\mu$ l (SoftFit-L)	1200 $\mu$ l (SoftFit-L)	5000 $\mu$ l	
Thermo Novus electronic	SC	1-10			✓								
		5-50						✓					
		10-100						✓					
		30-300						✓					
		100-1000							✓				
	MC	1-10	✓										
		5-50				✓							
30-300							✓						
Gilson Pipetman	SC	P2		✓									
		P10	✓										
		P20			✓								
		P100				✓							
		P200					✓						
		P1000							✓				
		P5000											✓
Gilson Neo	SC	P2		✓									
		P10	✓										
		P20			✓								
		P100				✓							
		P200					✓						
		P1000							✓				
	MC	20			✓								
	200					✓							
Gilson Concept (electronic)	SC	10	✓										
		100				✓							
		300						✓					
		1200							✓				
		5000										✓	
	MC	10	✓										
		100					✓						
300							✓						
Rainin Classic	SC	2		✓									
		10	✓										
		20			✓								
		100				✓							
		200					✓						
		1000							✓				
		5000											✓

# Filter Tips - Compatibility Chart, Molecular BioProducts

Description	Channels	Volume µl	10 µl (ext.)	10 µl (Micro)	20 µl	20 µl (SoftFit-L)	100 µl	100 µl (Micro)	200 µl	200 µl (SoftFit-L)	300 µl	300 µl (SoftFit-L)	1000 µl	1000 µl (ext.)	1000 µl (SoftFit-L)	1200 µl	1200 µl (SoftFit-L)	5000 µl		
Rainin Lite	SC	2		√																
		10	√																	
		20			√															
		100						√												
		200							√											
		300									√									
		1000											√							
		5000																		√
Rainin Lite - LTS	SC	2				√														
		10				√														
		20				√														
		100								√										
		200								√										
		300										√								
		1000													√					
		MC	10				√													
	20					√														
	50										√									
	200										√									
	300											√								
	1200																			√
	Rainin Lite - XLS	SC	2				√													
10						√														
20						√														
100										√										
200										√										
300												√								
1000															√					
Rainin Lite - XLS-LTS			SC	2				√												
	10					√														
	20					√														
	100									√										
	200									√										
	300											√								
	1000														√					
	Rainin Lite - XLA-LTS	MC		10				√												
20						√														
50											√									
200											√									
300												√								
1200																				√

Filter tips, ART®  
Molecular BioProducts



IVD

Manufactured using a special process, tips are furnished with a unique ART® filter to eliminate any risk of cross-contamination between samples, which is particularly important in molecular biology. They are suitable for applications involving the use of DNA or RNA, as well as radioactive and infectious samples.

- Certified free of RNase, DNase, DNA and pyrogens
- Sterile tips: Sterilised by gamma irradiation
- 'Low Retention' tips: Extremely hydrophobic surface for lower retention, superior precision and reproducibility of measurements

**Ordering information:** Supplied loose bagged and non sterile, sterile in racks, in BreakThru packaging (recyclable, economical packaging in a box), or individually wrapped.

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>ART® 10 µl</b>					
Standard	0,1 - 10	-	Bulk	1000	732-2284
Standard	0,1 - 10	+	10 racks, 96 each	960	732-2219
Low Retention	0,1 - 10	+	10 racks, 96 each	960	732-2220
Extended	0,5 - 10	+	10 racks, 96 each	960	732-2285
Low Retention, extended	0,5 - 10	+	10 racks, 96 each	960	732-2286
Reach (extended)	0,1 - 10	-	Bulk	1000	732-2290
Reach (extended)	0,1 - 10	+	10 racks, 96 each	960	732-2221
Reach (extended)	0,1 - 10	+	Individually wrapped	500	732-2291
Reach (extended), Low Retention	0,1 - 10	+	10 racks, 96 each	960	732-2222
<b>ART® 20 µl</b>					
Standard	0,5 - 20	+	10 racks, 96 each	960	732-2223
Standard	0,5 - 20	-	Bulk	1000	732-2295
Standard	0,5 - 20	+	10 racks, 96 each	960	732-2293
Low Retention	0,5 - 20	+	10 racks, 96 each	960	732-2294
Standard	0,5 - 20	-	Bulk	1000	732-2300
Extended	0,5 - 20	+	10 racks, 96 each	960	732-2225
Standard	0,5 - 20	+	Individually wrapped	500	732-2301
Low Retention	0,5 - 20	+	10 racks, 96 each	960	732-2224
Standard	0,5 - 20	+	10 racks, 96 each (BreakThru)	960	732-2298
GEL	0,5 - 20	+	10 racks, 96 each	960	732-2229
<b>ART® 50 µl</b>					
SoftFit	0,5 - 50	+	10 racks, 96 each	960	732-2238
<b>ART® 100 µl</b>					
Standard	1 - 100	-	Bulk	1000	732-2203
Standard	1 - 100	+	10 racks, 96 each	960	732-2202
Standard	1 - 100	-	Bulk	1000	732-2279
Low Retention	1 - 100	+	10 racks, 96 each	960	732-2204
Low Retention	1 - 100	+	10 racks, 96 each	960	732-2205
GEL	0,5 - 100	+	10 racks, 96 each	960	732-2226
XLP (extended)	5 - 100	-	Bulk	1000	732-2303
XLP (extended)	5 - 100	+	8 racks, 96 each	768	732-2231
<b>ART® 200 µl</b>					
Standard	1 - 200	-	Bulk	1000	732-2209
Standard	1 - 200	+	10 racks, 96 each	960	732-2207
Standard	1 - 200	+	Individually wrapped	500	732-2282
Low Retention	1 - 200	+	10 racks, 96 each	960	732-2208
Wide orifice	5 - 200	+	10 racks, 96 each	960	732-2210
XLG (Wide orifice)	1 - 200	+	8 racks, 96 each	768	732-2232
XLG (wide orifice)	1 - 200	+	Individually wrapped	500	732-2306
XLP (extended)	5 - 200	+	8 racks, 96 each	768	732-2233
<b>ART® 300 µl</b>					
Standard	1 - 300	-	Bulk	1000	732-2213
Standard	1 - 300	+	10 racks, 96 each	960	732-2212
<b>ART® 500 µl</b>					
SoftFit	50 - 500	+	8 racks, 100 each	800	732-2235
SoftFit	50 - 500	+	Individually wrapped	500	732-2310
<b>ART® 1000 µl</b>					

ART® 1000 µl					
SoftFit	100 - 1000	-	Bulk	1000	732-2311
SoftFit	100 - 1000	+	8 racks, 100 each	800	732-2236
SoftFit	100 - 1000	+	Individually wrapped	500	732-2312
Standard	100 - 1000	-	Bulk	1000	732-2216
Standard	100 - 1000	+	8 racks, 100 each	800	732-2355
Standard	100 - 1000	+	Individually wrapped	500	732-2217
Wide orifice	100 - 1000	-	Bulk	1000	732-2283
Wide orifice	100 - 1000	+	8 racks, 100 each	800	732-2218
Reach (extended)	100 - 1000	+	8 racks, 100 each	800	732-2215
ART® 5000 µl					
Standard	1000 - 5000	-	Bulk	250	732-2234

## Filter tips, ART® reload system

This sterile, barrier tip reload system combines individually packaged blister tubs made of recycled plastic and new hinged racks. The push down blister tub easily inserts the ART® barrier tips into the hinged racks providing stackable space-saving racks that offer easy, one-handed use. Empty hinged racks allow for easy conversion to the ART® Reload system.



- Environmentally friendly packaging
- ART® self-sealing barrier preventing cross-contamination
- Tips are certified DNase, RNase and pyrogen-free

ART® 10					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	MicroPoint™	10	10 racks, 96 each (Reload insert)	960	732-1147
	MicroPoint™, Low Retention	10	10 racks, 96 each (Reload insert)	960	732-1180
	MicroPoint™	10	10 racks, 96 each (Hinged rack)	960	732-1139
	MicroPoint™, Low Retention	10	10 racks, 96 each (Hinged rack)	960	732-1181

ART® 10 REACH					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	Extended	10	10 racks, 96 each (Reload insert)	960	732-1148
	Extended, Low Retention	10	10 racks, 96 each (Reload insert)	960	732-1178
	Extended	10	10 racks, 96 each (Hinged rack)	960	732-1140
	Extended, Low Retention	10	10 racks, 96 each (Hinged rack)	960	732-1179

ART® 20E					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	Ultra-Micro	10	10 racks, 96 each (Reload insert)	960	732-1149
	Ultra-Micro, Low Retention	10	10 racks, 96 each (Reload insert)	960	732-1176
	Ultra-Micro	10	10 racks, 96 each (Hinged rack)	960	732-1141
	Ultra-Micro, Low Retention	10	10 racks, 96 each (Hinged rack)	960	732-1177

ART® 20P					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	Standard	20	10 racks, 96 each (Reload insert)	960	732-1150
	Low Retention	20	10 racks, 96 each (Reload insert)	960	732-1174
	Standard	20	10 racks, 96 each (Hinged rack)	960	732-1142
	Low Retention	20	10 racks, 96 each (Hinged rack)	960	732-1175

ART® 100					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	Standard	100	10 racks, 96 each (Reload insert)	960	732-1151
	Standard	100	10 racks, 96 each (Hinged rack)	960	732-1143

ART® 100E					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	MicroPoint™	100	10 racks, 96 each (Reload insert)	960	732-1152
	MicroPoint™, Low Retention	100	10 racks, 96 each (Reload insert)	960	732-1167
	MicroPoint™	100	10 racks, 96 each (Hinged rack)	960	732-1144
	MicroPoint™, Low Retention	100	10 racks, 96 each (Hinged rack)	960	732-1168

ART® 200					
	Type	Capacity (µl)	Packed	Pk	Cat. No.
	Standard	200	10 racks, 96 each (Reload insert)	960	732-1153
	Low Retention	200	10 racks, 96 each (Reload insert)	960	732-1165
	Standard	200	10 racks, 96 each (Hinged rack)	960	732-1145
	Low Retention	200	10 racks, 96 each (Hinged rack)	960	732-1166



ART® 1000XL

Type	Capacity (µl)	Packed	Pk	Cat. No.
Standard	1000	8 racks, 96 each (Reload insert)	768	732-1154
Low Retention	1000	8 racks, 96 each (Reload insert)	768	732-1172
Standard	1000	8 racks, 96 each (Hinged rack)	768	732-1146
Low Retention	1000	8 racks, 96 each (Hinged rack)	768	732-1173



Empty reload racks

Description	Pk	Cat. No.
Empty reload rack, sterile, Small (insert not included)	10	732-1171
Empty reload rack, sterile, Medium (insert not included)	10	732-1170
Empty reload rack, sterile, Large (insert not included)	8	732-1169

Filter tips, ART®, SoftFit L™  
Molecular BioProducts

Transparent PP

ART® SoftFit-L™ pipette tips seal when exposed to potential contaminants and are designed for use with the Rainin® LTS LiteTouch pipettes. Ideal for the pipetting of radioactive samples, nucleic amplification procedures, or any applications where critical sample handling is required.

- Certified free of RNase, DNase, DNA and pyrogens
- Sterile tips: Sterilised by gamma irradiation
- 'Low Retention' tips: Extremely hydrophobic surface for lower retention, superior precision and reproducibility of measurements

Reload inserts

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Standard	20	+	10 racks, 96 each	960	732-1190
Low Retention	20	+	10 racks, 96 each	960	732-1192
Standard, Pure	20	+	10 racks, 96 each	960	613-1979
Low Retention, Pure	20	+	10 racks, 96 each	960	732-1560
Standard	20	-	10 racks, 96 each	960	613-1980
Low Retention	20	-	10 racks, 96 each	960	732-1561
Standard	200	+	10 racks, 96 each	960	732-1186
Low Retention	200	+	10 racks, 96 each	960	732-1188
Standard, Pure	250	+	10 racks, 96 each	960	613-1985
Low Retention, Pure	250	+	10 racks, 96 each	960	732-1567
Standard	250	-	10 racks, 96 each	960	613-1986
Low Retention	250	-	10 racks, 96 each	960	732-1568
Standard	300	+	10 racks, 96 each	960	732-1194
Low Retention	300	+	10 racks, 96 each	960	732-1196
Standard, Pure	300	+	10 racks, 96 each	960	613-1981
Low Retention, Pure	300	+	10 racks, 96 each	960	732-1562
Standard	300	-	10 racks, 96 each	960	613-1982
Low Retention	300	-	10 racks, 96 each	960	732-1563
Standard	1000	+	8 racks, 96 each	768	732-1182
Low Retention	1000	+	8 racks, 96 each	768	732-1184
Standard, Pure	1000	+	8 racks, 96 each	768	613-1987
Low Retention, Pure	1000	+	8 racks, 96 each	768	732-1569
Standard	1000	-	8 racks, 96 each	768	613-1988
Low Retention	1000	-	8 racks, 96 each	768	732-1570
Standard	1200	+	8 racks, 96 each	768	732-1212
Low Retention	1200	+	8 racks, 96 each	768	732-1199
Standard, Pure	1200	+	8 racks, 96 each	768	613-1983
Low Retention, Pure	1200	+	8 racks, 96 each	768	732-1565
Standard	1200	-	8 racks, 96 each	768	613-1984
Low Retention	1200	-	8 racks, 96 each	1	732-1566

Hinged racks

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Low Retention	20	+	10 racks, 96 each	960	732-2314
Standard	20	+	10 racks, 96 each	960	732-2313
Standard	200	+	10 racks, 96 each	960	732-2315
Low Retention	200	+	10 racks, 96 each	960	732-2316
Standard	20	+	10 racks, 96 each	960	732-1191
Low Retention	20	+	10 racks, 96 each	960	732-1193
Standard, Pure	20	+	10 racks, 96 each	960	613-1869
Low Retention, Pure	20	+	10 racks, 96 each	960	613-1868
Standard	20	-	10 racks, 96 each	960	613-1870
Low Retention	20	-	10 racks, 96 each	960	613-1866
Standard	200	+	10 racks, 96 each	960	732-1187
Low Retention	200	+	10 racks, 96 each	960	732-1189
Standard, Pure	250	+	10 racks, 96 each	960	613-1879
Low Retention, Pure	250	+	10 racks, 96 each	960	613-1878
Standard	250	-	10 racks, 96 each	960	613-1880
Low Retention	250	-	10 racks, 96 each	960	613-1867
Standard	300	+	10 racks, 96 each	960	732-1195
Low Retention	300	+	10 racks, 96 each	960	732-1197

# Pipettes, Steppers and Tips

Universal Tips, Molecular BioProducts

## Hinged racks

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Standard, Pure	300	+	10 racks, 96 each	960	613-1872
Low Retention, Pure	300	+	10 racks, 96 each	960	613-1871
Standard	300	-	10 racks, 96 each	960	613-1874
Low Retention	300	-	10 racks, 96 each	960	613-1873
Standard	1000	+	8 racks, 96 each	768	732-1183
Low Retention	1000	+	8 racks, 96 each	768	732-1185
Standard, Pure	1000	+	8 racks, 96 each	768	613-1882
Low Retention, Pure	1000	+	8 racks, 96 each	768	613-1881
Standard	1000	-	8 racks, 96 each	768	613-1884
Low Retention	1000	-	8 racks, 96 each	768	613-1883
Standard	1200	+	8 racks, 96 each	768	732-1211
Low Retention	1200	+	8 racks, 96 each	768	732-1198
Standard, Pure	1200	+	8 racks, 96 each	768	613-1875
Low Retention, Pure	1200	+	8 racks, 96 each	768	732-1564
Standard	1200	-	8 racks, 96 each	768	613-1877
Low Retention	1200	-	8 racks, 96 each	768	613-1876

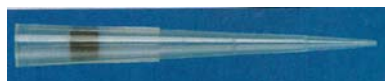
## Filter tips, Solvent Safe™

Molecular BioProducts

### PP, with carbon filter

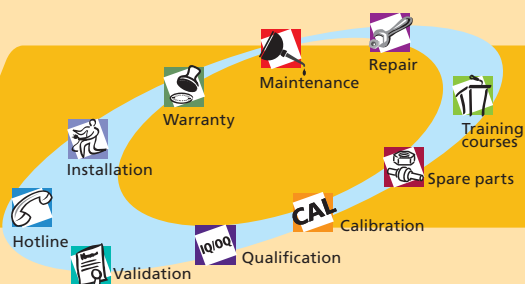
- The Solvent Safe™ carbon filter protects pipettes from damage by blocking corrosive vapours from volatile organic solvents and is a less costly alternative to expensive positive displacement pipettes

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 20	-	Bulk	500	612-9623
0,5 - 20	+	4 racks, 96 each	384	612-9645
1 - 200	-	Bulk	500	612-9622
1 - 200	+	4 racks, 96 each	384	612-9644
100 - 1000	-	Bulk	500	612-9621
100 - 1000	+	4 racks, 100 each	400	612-9643



## INSTRUMENT SERVICE AND MAINTENANCE

Please contact your local VWR sales office for more information



## Single channel pipettes, mechanical, Proline® Plus Biohit



### Fixed or variable volume, fully autoclavable

High quality pipettes with new, innovative design and technology, combining safety, ergonomics, efficiency in pipetting, with easy calibration and maintenance. They include built-in replaceable tip cone filters, which prevent pipette contamination and damage. Two types of filters are offered: Safe-Cone Standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Good ergonomics - Handle design suitable for both left and right-handed users, clear and easy to read display with big numbers and small increments, light and easy tip loading and ejection
- Fit the most commonly used lab tubes thanks to slim tip ejector collar
- Plunger technology results in the lowest pipetting force
- Colour-coded volume range for easy pipette selection
- Good chemical and UV resistance; thermal insulation of the internal components improves both accuracy and reproducibility

**Ordering information:** Proline®Plus single pipettes are supplied with calibration tool, autoclavable grease, tip, Safe-Cone filters (> 10 µl) and forceps, user manual and QC-certificate.

Starter Kits are also available:

Starter Kit 1 includes two Proline®Plus pipettes (0,1 - 3 µl / 0,5 - 10 µl), two pipette holders and one calibration tool for each pipette, two single-tray tip boxes, literature.

Starter Kit 2 includes three Proline®Plus pipettes (0,5 - 10 µl / 10 - 100 µl / 100 - 1000 µl), two pipette holders and one calibration tool for each pipette, three single-tray tip boxes, literature.

Starter Kit 3 includes three Proline®Plus pipettes (2 - 20 µl / 20 - 200 µl / 100 - 1000 µl), two pipette holders and one calibration tool for each pipette, three single-tray tip boxes, literature.

Starter Kit 4 includes two Proline®Plus pipettes (500 - 5000 µl / 1 - 10 ml), two pipette holders and one calibration tool for each pipette, two single-tray tip boxes, literature.



Fixed volume						
Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
5	±1,30	<1,20	10	-	1	613-5168
10	±0,80	<0,80	10	-	1	613-5169
20	±0,60	<0,50	300, 350	Safe-Cone filters 613-4072	1	613-5170
25	±0,50	<0,30	300, 350	Safe-Cone filters 613-4071 and 613-0694	1	613-5171
50	±0,50	<0,30	300, 350	Safe-Cone filters 613-4071 and 613-0694	1	613-5172
100	±0,50	<0,30	300, 350	Safe-Cone filters 613-4071 and 613-0694	1	613-5173
200	±0,40	<0,20	300, 350	Safe-Cone filters 613-4070 and 613-0693	1	613-5174
250	±0,40	<0,20	1000	Safe-Cone filters 613-4069 and 613-4074	1	613-5175
500	±0,30	<0,20	1000	Safe-Cone filters 613-4069 and 613-4074	1	613-5176
1000	±0,30	<0,20	1000	Safe-Cone filters 613-4069 and 613-4074	1	613-5177
5000	±0,30	<0,15	5000	Safe-Cone filters 613-4068 and 613-0692	1	613-5178
10 000	±0,60	<0,20	10 000	Safe-Cone filters 613-4068 and 613-0692	1	613-5179

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
0,1 - 3	0,002	±1,30 - ±10,00	<0,80 - <6,00	10	-	1	613-5160
0,5 - 10	0,01	±1,00 - ±5,00	<0,60 - <4,00	10	-	1	613-5161
2 - 20	0,02	±0,90 - ±3,00	<0,40 - <2,00	300	Safe-Cone filters 613-4072	1	613-5162
5 - 50	0,10	±0,90 - ±3,00	<0,30 - <1,60	300, 350	Safe-Cone filters 613-4071 and 613-0694	1	613-1753

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
10 - 100	0,10	±0,80 - ±2,00	<0,15 - <1,00	300, 350	Safe-Cone filters 613-4071 and 613-0694	1	613-5163
20 - 200	0,20	±0,60 - ±2,00	<0,15 - <0,80	300, 350	Safe-Cone filters 613-4070 and 613-0693	1	613-5164
100 - 1000	1,00	±0,60 - ±1,00	<0,20 - <0,40	1000	Safe-Cone filters 613-4069 and 613-4074	1	613-5165
500 - 5000	10,00	±0,50 - ±2,00	<0,20 - <0,60	5000	Safe-Cone filters 613-4068 and 613-0692	1	613-5166
1000 - 10000	20,00	±0,60 - ±3,00	<0,20 - <0,60	10000	Safe-Cone filters 613-4068 and 613-0692	1	613-5167
Description						Pk	Cat. No.
Starter Kits							
Starter Kit 1 Proline®Plus (0,1 - 3 µl / 0,5 - 10 µl)						10	613-5156
Starter Kit 2 Proline®Plus (0,5 - 10 µl / 10 - 100 µl / 100 - 1000 µl)						10	613-5157
Starter Kit 3 Proline®Plus (2 - 20 µl / 20 - 200 µl / 100 - 1000 µl)						12	613-5158
Starter Kit 4 Proline®Plus (500 - 5000 µl / 1 - 10 ml)						5	613-5159
Stands							
Carousel stand for 6 pipettes						1	613-4094
Universal linear stand						1	613-8706
Holder for 1 pipette						1	613-5146
Accessories							
Description						Pk	Cat. No.
Safe-Cone filters, Plus, Ø 5,33 mm						50	613-4074
Safe-Cone filters, Standard, Ø 1,83 mm						50	613-4072
Safe-Cone filters, Standard, Ø 2,51 mm						50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm						50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm						50	613-4069
Safe-Cone filters, Standard, Ø 6,73 mm						50	613-4068
Safe-Cone filters, Plus, Ø 2,51 mm						50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm						50	613-0693
Safe-Cone filters, Plus, Ø 6,73 mm						50	613-0692

## Single channel pipettes, mechanical, mLINE®

Biohit



### Variable volume, fully autoclavable

mLINE® pipettes offer a unique combination of new features for higher accuracy and precision. They include built-in replaceable tip cone filters, which prevent pipette contamination and damage. Two types of filters are offered: Safe-Cone standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Clear and easy to read display with big numbers and small increments
- Equipped with special spring loaded tip cones (i.e. the Optiload mechanism) allowing tip loading and ejection using minimum force
- Plunger technology results in the lowest pipetting force
- Volume range colour coding for easy pipette selection, and five colour coding caps
- Thermal insulation of the internal components improves both accuracy and reproducibility

**Ordering information:** mLINE® pipettes are supplied as single pipettes or in Starter Kits packed into a box.

Starter Kit 1 includes three mLINE® pipettes (0,5 - 10 µl, 10 - 100 µl and 100 - 1000 µl), colour coded tip racks for every pipette, one pipette holder, colour-coding caps, and one calibration tool.

Starter Kit 2 includes three mLINE® pipettes (2 - 20 µl, 20 - 200 µl and 100 - 1000 µl), colour coded tip racks for every pipette, one pipette holder, colour coding caps, and one calibration tool.



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
0,1 - 3	0,002	±1,30	<0,80	10 / F10	-	1	613-5125
0,5 - 10	0,01	±1,00	<0,60	10 / F10	-	1	613-4089
2 - 20	0,02	±0,90	<0,40	300 / F20	Safe-Cone filters 613-4072	1	613-5078
10 - 100	0,10	±0,80	<0,15	300, 350 / F100, F120	Safe-Cone filters 613-4071 and 613-0694	1	613-4090
20 - 200	0,20	±0,60	<0,15	300, 350 / F200, F300	Safe-Cone filters 613-4070 and 613-0693	1	613-4091
100 - 1000	1,00	±0,60	<0,20	1000 / F1000	Safe-Cone filters 613-4069 and 613-4074	1	613-4092
500 - 5000	10,0	±0,50	<0,20	5000	Safe-Cone filters 613-4068 and 613-0692	1	613-4093
1000 - 10000	20,0	±0,60	<0,20	10000	Safe-Cone filters 613-4068 and 613-0692	1	613-5147

Description	Pk	Cat. No.
<b>Starter Kit mLINE®</b>		
Starter Kit mLINE® 1 (0,5 - 10 / 10 - 100 / 100 - 1000 µl)	7	613-0464
Starter Kit mLINE® 2 (2 - 20 / 20 - 200 / 100 - 1000 µl)	1 Kit	613-0199
<b>Stands</b>		
Carousel stand for 6 pipettes	1	613-4094
Universal linear stand	1	613-8706
Holder for 1 pipette	1	613-5146

Description	Pk	Cat. No.
<b>Accessories</b>		
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Safe-Cone filters, Plus, Ø 5,33 mm	50	613-4074
Safe-Cone filters, Plus, Ø 6,73 mm	50	613-0692
Safe-Cone filters, Standard, Ø 1,83 mm	50	613-4072
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm	50	613-4069
Safe-Cone filters, Standard, Ø 6,73 mm	50	613-4068

## Multichannel pipettes, mechanical, Proline® Plus

Biohit



613-5180

### Variable volume, fully autoclavable

High quality pipettes with new, innovative design and technology, combining safety, ergonomics efficiency in pipetting, with easy calibration and maintenance. They include built-in replaceable tip cone filters, which prevent pipette contamination and damage. Two types of filters are offered: Safe-Cone standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Good ergonomics - handle design suitable for both left and right-handed users, clear and easy to read display with big numbers and small increments, light and easy tip loading and ejection
- Equipped with special spring loaded tip cones (Optiload mechanism) allowing tip loading with equal constant force to every channel using minimum force, making tips ejection light and easy
- Plunger technology results in the lowest pipetting force
- Volume range colour coding for easy pipette tips selection
- Good chemical and UV resistance; thermal insulation of the internal components improves both accuracy and reproducibility

**Ordering information:** Proline® Plus pipettes are supplied with calibration tool, autoclavable grease, tip, Safe-Cone filters (>10 µl) and forceps, user manual and QC-certificate.



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
<b>8-Channel</b>							
0,5 - 10	0,01	±1,50	<1,00	10, F10	-	1	613-5180
10 - 100	0,01	±0,70	<0,25	300, 350, F100	Safe-Cone filters 613-4071 and 613-0694	1	613-5181
30 - 300	0,20	±0,60	<0,25	350, 300F	Safe-Cone filters 613-4070 and 613-0693	1	613-5182
<b>12-Channel</b>							
0,5 - 10	0,01	±1,50	<1,00	10, F10	-	1	613-5183
10 - 100	0,10	±0,70	<0,25	300, 350, F100	Safe-Cone filters 613-4071 and 613-0694	1	613-5184
30 - 300	0,20	±0,60	<0,25	350, F300	Safe-Cone filters 613-4070 and 613-0693	1	613-5185

Accessories		
Description	Pk	Cat. No.
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Carousel stand for 6 pipettes	1	613-4094
Universal linear stand	1	613-8706
Holder for 1 pipette	1	613-5146

## Multichannel pipettes, mechanical, mLINE®

### Biohit



#### Variable volume, autoclavable

mLINE® pipettes offer a unique combination of new features for higher accuracy and precision. They include built-in replaceable tip cone filters, which prevent pipette contamination and damage. Two types of filters are offered: Safe-Cone Standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Clear and easy to read display with big numbers and small increments
- Equipped with special spring loaded tip cones (Optiload mechanism) allowing tip loading with equal constant force to every channel using minimum force
- Plunger technology results in the lowest pipetting force
- Volume range colour coding for easy pipette selection, and five colour coding caps
- Thermal insulation of the internal components improves both accuracy and reproducibility



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
<b>8-Channel</b>							
0,5 - 10	0,01	±1,50	<1,00	10 / F10	-	1	613-5079
5 - 100	0,10	±0,70	<0,25	300, 350 / F100	Safe-Cone filters 613-4071 and 613-0694	1	613-5080
30 - 300	0,20	±0,60	<0,25	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-5081
<b>12-Channel</b>							
0,5 - 10	0,01	±1,50	<1,00	10 / F10	-	1	613-5082
5 - 100	0,10	±0,70	<0,25	300, 350 / F100	Safe-Cone filters 613-4071 and 613-0694	1	613-5083
30 - 300	0,20	±0,60	<0,25	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-5084

Accessories		
Description	Pk	Cat. No.
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Carousel stand for 6 pipettes	1	613-4094
Universal linear stand	1	613-8706
Holder for 1 pipette	1	613-5146

## Single channel pipettes, electronic, Picus®

Biohit



### Variable volume, autoclavable (lower parts only)

Small, lightweight electronic pipettes that eases the user's work load, protects user from injury by ensuring optimal working posture and allows accurate and precise pipetting results. Two types of filters are offered: Safe-Cone standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.



IVD

- Helps to avoid pipetting related symptoms like RSI (repetitive strain injury)
- High ergonomic standards with electronic tip ejection, adjustment wheel for scrolling menus, adjusting volume and controlling manual pipetting and feather light operating button
- Error control system guarantees result reliability
- Unique Tracker in conjunction with pipetting, reverse pipetting and multi dispensing modes to help microplate work
- Easy maintenance of lower parts with GLP information integrated in software for service and calibration follow-up

**Ordering information:** Supplied with universal AC adapter. Charging stand available separately.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips	With	Pk	Cat. No.
0,2 - 10	0,02	±0,90	<0,40	10 / F10	-	1	613-1948
5 - 120	0,1	±0,40	<0,40	300, 350 / F300	Safe-Cone filters 613-4071 and 613-0694	1	613-1949
10 - 300	0,2	±0,40	<0,15	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-1967
50 - 1000	1	±0,40	<0,15	1000 / F1000	Safe-Cone filters 613-4069 and 613-4074	1	613-1968
100 - 5000	5	±0,50	<0,15	5000	Safe-Cone filters 613-4068 and 613-0692	1	613-1969
500 - 10000	10	±0,60	<0,20	10000	Safe-Cone filters 613-4068 and 613-0692	1	613-1970

### Accessories

Description	Pk	Cat. No.
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm	50	613-4069
Safe-Cone filters, Standard, Ø 6,73 mm	50	613-4068
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Safe-Cone filters, Plus, Ø 5,33 mm	50	613-4074
Safe-Cone filters, Plus, Ø 6,73 mm	50	613-0692
Universal linear stand	1	613-8706
Charging stand for 1 pipette, universal power adapter	1	613-4123
Carousel charging stand for 4 pipettes, universal power adapter	1	613-4124

## Single channel pipettes, electronic, eLINE®

Biohit



### Variable volume, autoclavable (lower parts only)

eLINE® pipettes offer new levels of analytical performance and ergonomic innovation in a genuinely user friendly package. Two types of filters are offered: Safe-Cone standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.



IVD

- Easy to read display and simple to operate keyboard; autoclavable lower parts
- Fully electronic operation (including unique electronic tip ejection); nine speeds for aspiration and dispensing
- Comprehensive range of pipetting protocols with easy programming (pipetting, reverse pipetting, pipetting with mixing, pipetting with cycle counter, manual pipetting, multiple dispensing, diluting, diluting with mixing, sequential dispensing, multi aspirating, multiple dispensing, automatic multiple dispensing)
- Memory settings to store up to six user defined pipetting protocols for easy recalls

**Ordering information:** Supplied with universal AC adapter. Charging stand available separately.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
0,1 - 5	0,05	±1,20	<0,70	10 / F10	-	1	613-1659
0,2 - 10	0,05	±0,90	<0,40	10 / F10	-	1	613-4096
5 - 120	0,50	±0,40	<0,15	300, 350 / F120	Safe-Cone filters 613-4071 and 613-0694	1	613-4098
10 - 300	1,00	±0,40	<0,15	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-4100
50 - 1000	5,00	±0,40	<0,15	1000 / F1000	Safe-Cone filters 613-4069 and 613-4074	1	613-4103
100 - 5000	10,00	±0,50	<0,15	5000	Safe-Cone filters 613-4069 and 613-4074	1	613-4105

### Accessories

Description	Pk	Cat. No.
Charging stand for 1 pipette, universal power adapter	1	613-4123
Carousel charging stand for 4 pipettes, universal power adapter	1	613-4124
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Safe-Cone filters, Plus, Ø 5,33 mm	50	613-4074
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm	50	613-4069

## Multi channel pipettes, electronic, Picus®

### Biohit



8-Channel



12-Channel



### Variable volume, autoclavable (lower parts only except 1200 µl micropipettes)

Small, lightweight electronic pipette that eases the user's work load, protects user from injury by ensuring optimal working posture and allows accurate and precise pipetting results. Two types of filters are offered: Safe-Cone standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Helps to avoid pipetting related symptoms like RSI (repetitive strain injury)
- High ergonomic standards with electronic tip ejection, adjustment wheel for scrolling menus, adjusting volume and controlling manual pipetting and feather light operating button
- Error control system guarantees result reliability
- Unique Tracker in conjunction with pipetting, reverse pipetting and multi dispensing modes to help microplate work
- Easy maintenance of lower parts with GLP information integrated in software for service and calibration follow-up

**Ordering information:** Supplied with universal AC adapter. Charging stand available separately.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips	With	Pk	Cat. No.
<b>8-Channel</b>							
0,2 - 10	0,02	±0,90	<0,50	10 / F10	-	1	613-1971
5 - 120	0,1	±0,50	<0,20	300, 350 / F120	Safe-Cone filters 613-4071 and 613-0694	1	613-1972
10 - 300	0,2	±0,50	<0,20	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-1973
50 - 1200	1	±0,50	<0,20	1200 / F1200	Safe-Cone filters 613-4069 and 613-4074	1	613-1974



12-Channel							
0,2 - 10	0,02	±0,90	<0,50	10 / F10	-	1	613-1975
5 - 120	0,1	±0,50	<0,20	300, 350 / F120	Safe-Cone filters 613-4071 and 613-0694	1	613-1976
10 - 300	0,2	±0,50	<0,20	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-1977
50 - 1200	1	±0,50	<0,20	1200 / F1200	Safe-Cone filters 613-4069 and 613-4074	1	613-1978

## Accessories

Description	Pk	Cat. No.
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm	50	613-4069
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Safe-Cone filters, Plus, Ø 5,33 mm	50	613-4074
Universal linear stand	1	613-8706
Charging stand for 1 pipette, universal power adapter	1	613-4123
Carousel charging stand for 4 pipettes, universal power adapter	1	613-4124

## Multichannel pipettes, electronic, eLINE®

Biohit



## Variable volume

eLINE® pipettes offer new levels of analytical performance and ergonomic innovation in a genuinely user friendly package. Two types of filters are offered: Safe-Cone Standard filter and Safe-Cone Plus filter. It is recommended to use the Standard filter for general applications and the Plus filter for more demanding applications, such as cell culture, bacterial and viral work, and molecular biology.

- Easy to read display and simple to operate keyboard; autoclavable lower parts (except multichannel pipettes 50 - 1200 µl)
- Fully electronic operation (including electronic tip ejection); nine speeds for aspiration and dispensing
- Comprehensive range of pipetting protocols with easy programming (pipetting, reverse pipetting, pipetting with mixing, pipetting with cycle counter, multiple dispensing, diluting, diluting with mixing, sequential dispensing, multi aspirating, multiple dispensing, automatic multiple dispensing)
- Memory settings to store up to six user-defined pipetting protocols for easy recalls
- Equipped with special spring loaded tip cones (Optiload mechanism) allowing tip loading with equal constant force to every channel using minimum force

**Ordering information:** Supplied with universal AC adapter.



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
8-Channel							
0,2 - 10	0,05	±0,90	<0,50	10 / F10	-	1	613-4107
5 - 120	0,50	±0,50	<0,20	300, 350 / F120	Safe-Cone filters 613-4071 and 613-0694	1	613-4109
10 - 300	1,00	±0,50	<0,20	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-4111
50 - 1200	5,00	±0,50	<0,20	1200 / F1200	Safe-Cone filters 613-4069 and 613-4074	1	613-4113
12-Channel							
0,2 - 10	0,05	±0,90	<0,50	10 / F10	-	1	613-4115
5 - 120	0,50	±0,50	<0,20	300, 350 / F120	Safe-Cone filters 613-4071 and 613-0694	1	613-4117
10 - 300	1,00	±0,50	<0,20	350 / F300	Safe-Cone filters 613-4070 and 613-0693	1	613-4119
50 - 1200	5,00	±0,50	<0,20	1200 / F1200	Safe-Cone filters 613-4069 and 613-4074	1	613-4122

## Accessories

Description	Pk	Cat. No.
Safe-Cone filters, Plus, Ø 2,51 mm	50	613-0694
Safe-Cone filters, Plus, Ø 3,15 mm	50	613-0693
Safe-Cone filters, Plus, Ø 5,33 mm	50	613-4074
Safe-Cone filters, Standard, Ø 2,51 mm	50	613-4071
Safe-Cone filters, Standard, Ø 3,15 mm	50	613-4070
Safe-Cone filters, Standard, Ø 5,33 mm	50	613-4069
Charging stand for 1 pipette, universal power adapter	1	613-4123
Carousel charging stand for 4 pipettes, universal power adapter	1	613-4124
Holder for 1 pipette	1	613-5146

# Mechanical Pipettes

Optifit Tips, non-filtered

SafetySpace™ Filter Tips

		Optifit Tips, non-filtered										SafetySpace™ Filter Tips							
		10	10 Ext	300	350	1000	1000 WB	5000	10 000										
		10	10 Ext.**	20	120	200	300	500**	1000	L	M	N	O	P	Q	R	S		
	Cat. No.	µl	A*	B	C	D	E	G	J	U									
mLINE Single Channel	725010	0.1-3	•	•							•	•							
	725020	0.5-10	•	•							•	•							
	725030	2-20			•								•						
	725050	10-100			•	•							•						
	725060	20-200			•	•								•	•				
	725070	100-1000					•	•									•		
	725080	500-5000							•										
	725090	1-10 ml								•									
	8-Channel	725120	0.5-10	•	•							•	•						
		725130	5-100			•	•							•					
725140		30-300				•									•				
12-Channel	725220	0.5-10	•	•							•	•							
	725230	5-100			•	•							•						
	725240	30-300				•									•				
Proline Plus Adjustable Volume Single Channel	728010	0.1-3	•	•							•	•							
	728020	0.5-10	•	•							•	•							
	728030	2-20			•								•						
	728040	5-50			•	•							•						
	728050	10-100			•	•							•						
	728060	20-200			•	•								•	•				
	728070	100-1000					•	•									•		
	728080	500-5000							•										
	728090	1-10 ml								•									
	8-Channel	728120	0.5-10	•	•							•	•						
728130		10-100			•	•							•						
728140		30-300				•									•				
728220		0.5-10	•	•							•	•							
12-Channel	728230	10-100			•	•							•						
	728240	30-300				•									•				
	Proline Plus Fixed Volume Single Channel	728515	5	•	•							•	•						
		728520	10	•	•							•	•						
728530		20			•								•						
728535		25			•								•						
728545		50			•								•						
728550		100			•	•							•						
728560		200			•	•								•	•				
728565		250					•	•								•	•		
728567		500					•	•								•	•		
728570		1000					•	•									•		
728575		2000							•										
728580		5000								•									
728590		10 ml									•								
Proline Adjustable Volume Single Channel	720005	0.1-2.5	•	•							•	•							
	720000	0.5-10	•	•	•						•	•	•						
	720080	2-20			•								•	•					
	720020	5-50			•	•							•						
	720050	10-100			•	•							•	•	•				
	720070	20-200			•	•								•	•				
	720060	100-1000					•	•									•		
	720110	1000-5000							•										
	8-Channel	720210	0.5-10	•	•							•	•						
		720220	5-50			•	•							•	•	•			
720240		50-300				•									•				
720310		0.5-10	•	•							•	•							
12-Channel	720320	5-50			•	•							•	•	•				
	720340	50-300				•									•				
	Proline Fixed Volume Single Channel	722001	5	•	•	•						•	•	•					
722004		10	•	•	•						•	•	•						
722010		20			•	•							•	•					
722015		25			•	•							•						
722020		50			•	•							•						
722025		100			•	•							•	•	•				
722030		200			•	•								•	•				
722035		250					•	•								•	•		
722040		500					•	•								•	•		
722045		1000					•	•									•		
722050		2000							•										
722055	5000								•										

\* Extended inaccuracy and imprecision of the pipettes with pre-sterilized A tips.  
 \*\* Filter Tips with regular air gap

### Pipette tips

#### Biohit



#### Natural colour premium grade PP, non sterile, autoclavable

- Proper seal design for accurate, leak-tight sealing
- Suitable for many pipettes on the market
- Produced and packed in a dust-free environment under strictly maintained conditions

**Ordering information:** Available in bulk packaging, in autoclavable racks and in refills.



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 10	-	Bulk	1000	613-0678
0,1 - 10	-	10 racks, 96 each	960	613-4161
0,1 - 10	-	10 racks, 96 each	960	613-0915
0,1 - 10	+	10 racks, 96 each	960	613-0916
0,1 - 10	+	10 racks, 96 each	960	613-5099
0,1 - 10	-	Refill tower, 10 racks, 96 each	960	613-0679
0,5 - 300	-	Bulk	1000	613-4129
0,5 - 300	-	10 racks, 96 each	960	732-1556
0,5 - 300	+	10 racks, 96 each	960	732-1557
0,5 - 300	+	10 racks, 96 each	960	613-4165
0,5 - 300	-	Refill tower, 10 racks, 96 each	960	732-1558
0,5 - 300	+	Refill tower, 10 racks, 96 each	1440	732-1559
0,5 - 350	-	Bulk	1000	613-4140
0,5 - 350	-	10 racks, 96 each	960	613-5100
0,5 - 350	+	10 racks, 96 each	960	613-5101
0,5 - 350	-	Refill tower, 10 racks, 96 each	960	613-5102
0,5 - 350	+	Refill tower, 15 racks, 96 each	1440	613-1665
10 - 1000	-	Bulk	400	613-4136
10 - 1000	-	Bulk	1000	613-5088
10 - 1000	-	Bulk	1000	613-4133
10 - 1000	-	10 racks, 96 each	960	613-4172
10 - 1000	+	10 racks, 96 each	960	613-5105
10 - 1000	+	Refill tower, 10 racks, 96 each	960	613-1791
10 - 1000	-	Refill tower, 10 racks, 96 each	960	613-0687
50 - 1200	-	Bulk	1000	613-4144
50 - 1200	-	10 racks, 96 each	960	613-4175
50 - 1200	-	Refill tower, 10 racks, 96 each	960	613-0680
50 - 1200	+	10 racks, 96 each	960	613-4176
50 - 1200	+	Refill tower, 10 racks, 96 each	960	613-1792
50 - 1200	-	10 racks, 96 each	960	613-5109
50 - 1200	+	10 racks, 96 each	960	613-5111
50 - 1200	-	Refill tower, 10 racks, 96 each	960	613-1793
50 - 1200	+	Refill tower, 10 racks, 96 each	960	613-1794
100 - 5000	-	Bulk	100	613-4149
100 - 5000	-	Bulk	1000	613-5090
100 - 5000	-	Single tray (1×50)	50	613-0677
100 - 5000	+	Single tray (1×50)	50	613-5089
500 - 10000	-	Bulk	100	613-4153
1000 - 10000	-	Bulk	250	613-5148

#### Accessories

Description	Pk	Cat. No.
Empty tip box for Refill system (10, 300 and 350 µl tips)	10	613-5103
Empty tip box for Refill system (1000 and 1200 µl tips)	10	613-5104

## Filter tips

Biohit

**PP with PE filter, sterile, non autoclavable**

- Reduce the risk of contamination of the pipette or sample
- Electron beam sterilisation
- Certified as DNase, RNase and endotoxin-free (certificates can be downloaded on supplier website)

**Packaging:** In single tray, wrapped in air-tight plastic.

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 10	+	10×96	960	613-5091
10 - 500	+	10×100	1000	613-5094

IVD

STERILE

## Filter tips, SafetySpace™

Biohit

**PP with PE filter, sterile, non autoclavable**

Ideal for molecular biology, microbiology and cell culture applications, as well as radioactive work. Specially designed for multiple dispensing with electronic pipettes, reverse pipetting and pipetting foaming liquids like buffers and proteins

- Higher filter position prevents liquid contacting the filter and reduces the risk of contamination of the pipette or samples
- Electron beam sterilisation
- Certified as DNase, RNase and endotoxin-free (certificates can be downloaded on supplier website)

**Packaging:** In single tray, wrapped in air-tight plastic.

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 10	+	10×96	960	613-0857
0,5 - 20	+	10×96	960	613-0858
2 - 120	+	10×96	960	613-0859
5 - 200	+	10×96	960	613-0860
5 - 300	+	10×96	960	613-0898
50 - 1000	+	10×96	960	613-0899
50 - 1200	+	10×96	960	613-0900

IVD

STERILE

### Single channel pipettes, mechanical, Transferpette® S

Brand



613-3472



#### Fixed or variable volume, fully autoclavable

Ideal for laboratory applications requiring the highest standards of precision. The 0,1 - 1 µl Transferpette® S ensures the highest degree of accuracy for molecular biology applications, especially when pipetting enzymes.

The volume adjustment knob on the variable volume Transferpette® S is simple to use and can be moved easily even when wearing gloves. The Easy Calibration feature was developed as part of the programme for monitoring control instrumentation for compliance with ISO 9000 and GLP and enables the device to be adjusted in a few seconds, without tools, to meet the user's specific needs.

- The pipetting button is located centrally so that the piston moves evenly and smoothly, pipettes have a separate ejection button (piston and ejector are both corrosion resistant)
- Colour coding on the pipette shaft clearly indicates the matching tip
- One-handed operation for both right- and left-handers with easy to read 4-digit volume display for unsurpassed accuracy
- Slim pipette shaft allows pipetting into containers with narrow openings
- Ergonomically designed finger rest for a firm grip, reducing fatigue even during prolonged pipetting sessions

#### Fixed volume

Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
10	±1	<0,5	0,1 - 20 / 0,5 - 20 / 0,5 - 10*	1	613-3456
20	±0,8	<0,4	2 - 200 / 5 - 300 / 2 - 20* / 5 - 100*	1	613-3457
25	±0,8	<0,4	2 - 200 / 5 - 300 / 5 - 100*	1	613-3458
50	±0,8	<0,4	2 - 200 / 5 - 300 / 5 - 100*	1	613-3459
100	±0,6	<0,2	2 - 200 / 5 - 300 / 5 - 100*	1	613-3460
200	±0,6	<0,2	2 - 200 / 5 - 300 / 5 - 200*	1	613-3461
500	±0,6	<0,2	50 - 1000 / 50 - 1250 / 50 - 1000*	1	613-3462
1000	±0,6	<0,2	50 - 1000 / 50 - 1250 / 50 - 1000*	1	613-3463

#### Variable volume

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
0,1 - 1	0,001	±2	<1,2	0,1 - 20 / 0,1 - 1*	1	613-3464
0,5 - 10	0,01	±1	<0,5	0,1 - 20 / 0,5 - 20 / 0,1 - 1* / 0,5 - 10*	1	613-3465
2 - 20	0,02	±0,8	<0,4	2 - 200 / 5 - 300 / 2 - 20* / 5 - 100*	1	613-3466
10 - 100	0,10	±0,6	<0,2	2 - 200 / 5 - 300 / 2 - 20* / 5 - 100*	1	613-3467
20 - 200	0,20	±0,6	<0,2	2 - 200 / 5 - 300 / 2 - 20* / 5 - 100* / 5 - 200*	1	613-3468
100 - 1000	1,00	±0,6	<0,2	50 - 1000 / 50 - 1250 / 50 - 1000*	1	613-3469
500 - 5000	5,00	±0,6	<0,2	500 - 5000	1	613-3470
1000 - 10000	10,0	±0,6	<0,2	1000 - 10000	1	613-3471

\* Filter tips

#### Starter Kits (3 Transferpette® S Digital, 3 filled Tip-Box N, 3 rack mounts)

Description	Pk	Cat. No.
Micro (Transferpette® S Digital 0,1 - 1/0,5 - 10/10 - 100)	1	613-3472
Standard (Transferpette® S Digital 0,5 - 10/10 - 100/100 - 1000)	1	613-3478
Midi (Transferpette® S Digital 2 - 20/20 - 200/100 - 1000)	1	613-3473
Macro (Transferpette® S Digital 100 - 1000/500 - 5000/1000 - 10000)	1	613-3474

#### Accessories

Description	Pk	Cat. No.
Bench top rack for 6 Transferpette® / Transferpette® S	1	613-3475
Shelf/rack mount for Transferpette® S -8/-12 single instrument	1	613-3476
Filter for Transferpette® S 1-10 ml	25	613-1685

## Multichannel pipettes, mechanical, Transferpette® S -8/-12

Brand



613-3702



613-3708



613-3475



## Variable volume, fully autoclavable

The Transferpette® S -8/-12 multichannel pipettes are the perfect manual pipettes for the most demanding applications in the lab and include all features requested by Life Science users working in the 96-well and 384-well microplate format. They are compatible with the most common tips. The use of new innovative materials make the Transferpette® S -8/-12 a lightweight yet rugged multichannel pipettes with high degree of accuracy and precision at the same time.

- Ergonomic finger rest for a relaxed grip accommodates right- and left-handed users; central pipetting button and separate tip ejector; one-handed operation without changing the hand position
- 4-digit volume display for highest precision
- Easy calibration technique providing calibration adjustments without tools, and a clear indication when the pipettes have been adjusted from factory settings
- Individually replaceable nose cones and seals to simplify service for long instrument life; corrosion resistant pistons
- Colour-coded for easy tip selection

CE-marked according to IVD-Directive 98/79 EC

**Ordering information:** Transferpette® S -8 or Transferpette® S -12 supplied with performance certificate, Tip-Box N filled with PLASTIBRAND® tips, Tip-Rack refill unit, shelf/rack mount, reagent reservoir and one set of sealing rings made of FKM and silicon oil.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
<b>8-Channel</b>						
0,5 - 10	0,1	±1,6	<1,0	0,1-20 / 0,5-20 / 0,1-1* / 0,5-10*	1	613-3700
5 - 50	0,1	±0,8	<0,4	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3701
10 - 100	0,2	±0,8	<0,3	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3702
20 - 200	0,2	±0,8	<0,3	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3703
30 - 300	0,2	±0,6	<0,3	2-200 / 5-300 / 5-100* / 5-200*	1	613-3704
<b>12-Channel</b>						
0,5 - 10	0,1	±1,6	<1,0	0,1-20 / 0,5-20 / 0,1-1* / 0,5-10*	1	613-3705
5 - 50	0,1	±0,8	<0,4	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3706
10 - 100	0,2	±0,8	<0,3	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3707
20 - 200	0,2	±0,8	<0,3	2-200 / 5-300 / 2-20* / 5-100* / 5-200*	1	613-3708
30 - 300	0,2	±0,6	<0,3	2-200 / 5-300 / 5-100* / 5-200*	1	613-3709

\* Filter

## Accessories

Description	Pk	Cat. No.
Bench top rack for 6 Transferpette® / Transferpette® S	1	613-3475
Shelf/rack mount for Transferpette® S -8/-12 single instrument	1	613-3476
Individual stand for Transferpette® / Transferpette® S -8/-12 single instrument	1	613-1682

### Single channel pipettes, electronic, Transferpette® electronic Brand



Transferpette® electronic



Stand

IVD

#### Autoclavable (pipette shaft only)

- These pipettes have received an award from the TÜV Rhineland for their ergonomic and convenient design
- Easy to use: Intuitive menu control, coloured eject button and straightforward technical documentation
- Due to the optimised standard design of the tip cone PLASTIBRAND® and other manufacturers' tips can be used
- Wide selection of programmes; pipetting, sample mixing, reverse pipetting, pipetting for electrophoresis, dispensing, 'Easy Calibration' programme for making quick adjustments to the Transferpette® electronic without tools, and 'Refresh' battery functions

**Ordering information:** Supplied together with certificate of quality, battery, and silicone oil.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
<b>With battery charger</b>							
0,5 - 10	0,01	±1,0	<0,4	0,1 - 20 / 0,5 - 20 /	EU-adapter	1	613-0081
0,5 - 10	0,01	±1,0	<0,4	0,1 - 1* / 0,5 - 10*	UK-adapter	1	613-0596
2 - 20	0,02	±1,0	<0,4	0,1 - 20 / 0,5 - 20 /	EU-adapter	1	613-4217
2 - 20	0,02	±1,0	<0,4	0,5 - 10*	UK-adapter	1	613-4220
20 - 200	0,2	±0,8	<0,2	2 - 200 / 5 - 300 / 2 -	EU-adapter	1	613-4218
20 - 200	0,2	±0,8	<0,2	20* / 5 - 100* / 5 -	UK-adapter	1	613-4221
100 - 1000	1	±0,6	<0,2	50 - 1000 / 50 - 1250	EU-adapter	1	613-4219
500 - 5000	5	±0,6	<0,2	/ 5 - 200* / 50 -	EU-adapter	1	613-0083
500 - 5000	5	±0,6	<0,2	1000*	UK-adapter	1	613-0597
<b>Without battery charger</b>							
0,5 - 10	0,01	±1,0	<0,4	0,1 - 20 / 0,5 - 20 /	-	1	613-0195
2 - 20	0,02	±1,0	<0,4	0,1 - 1* / 0,5 - 10*	-	1	613-4223
20 - 200	0,2	±0,8	<0,2	2 - 200 / 5 - 300 / 2 -	-	1	613-4224
				20* / 5 - 100* / 5 -			
				200*			
100 - 1000	1	±0,6	<0,2	50 - 1000 / 50 - 1250	-	1	613-4225
500 - 5000	5	±0,6	<0,2	/ 5 - 200* / 50 -	-	1	613-0196
				1000*			
				500-5000			

\* Filter

#### Accessories

Description	Pk	Cat. No.
Individual stand for Transferpette® electronic, up to 1000 µl	1	613-3720
Individual stand for Transferpette® electronic 0,5-5 ml	1	613-3721
Stand for 3 Transferpette® electronic, with EU-battery charger	1	613-4226
Stand for 3 Transferpette® electronic, with UK-battery charger	1	613-4227
Filter for Transferpette® / Transferpette® S / Transferpette® electronic 0,5-5 ml	25	613-1684

## Multichannel pipettes, electronic, Transferpette® electronic Brand



8-Channel



12-Channel

IVD

### Autoclavable (manifold only)

- These pipettes have received an award from the TÜV Rheinland for their ergonomic and convenient design
- Intuitive control, ergonomic, coloured eject button, pipetting unit can be pivoted through 360°
- O-rings made of FKM and stepped tip ejector allow effortless mounting and easy ejection of the tips
- Individual shafts and seals can be easily removed and replaced for cleaning or repair without tools or calibration adjustments
- Wide selection of programmes: Pipetting, sample mixing, reverse pipetting, pipetting for electrophoresis, dispensing, 'Easy Calibration' and 'Refresh' battery functions

**Ordering information:** Supplied together with certificate of quality, battery, charger, support, Tip-Box SL tip boxes, refill unit, reagent reservoir, one set of FKM sealing rings, and silicone oil.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	With	Pk	Cat. No.
<b>8-Channel</b>							
0,5 - 10	0,01	±1,2	<0,8	20 / F1 / F10	EU-adapter	1	613-0604
0,5 - 10	0,01	±1,2	<0,8	20 / F1 / F10	UK-adapter	1	613-0605
1 - 20	0,02	±1,0	<0,5	20 / F10	EU-adapter	1	613-0213
1 - 20	0,02	±1,0	<0,5	20 / F10	UK-adapter	1	613-0216
5 - 100	0,1	±0,8	<0,25	200 / 300 / F20 / F100 / F200	EU-adapter	1	613-0214
5 - 100	0,1	±0,8	<0,25	200 / 300 / F20 / F100 / F200	UK-adapter	1	613-0217
10 - 200	0,2	±0,8	<0,25	200 / 300 / F20 / F100 / F200	EU-adapter	1	613-0606
10 - 200	0,2	±0,8	<0,25	200 / 300 / F20 / F100 / F200	UK-adapter	1	613-0607
15 - 300	0,5	±0,6	<0,25	200 / 300 / F100 / F200	EU-adapter	1	613-0215
15 - 300	0,5	±0,6	<0,25	200 / 300 / F100 / F200	UK-adapter	1	613-0218
<b>12-Channel</b>							
0,5 - 10	0,01	±1,2	<0,8	20 / F1 / F10	EU-adapter	1	613-0608
0,5 - 10	0,01	±1,2	<0,8	20 / F1 / F10	UK-adapter	1	613-0609
1 - 20	0,02	±1,0	<0,5	20 / F10	EU-adapter	1	613-0219
1 - 20	0,02	±1,0	<0,5	20 / F10	UK-adapter	1	613-0221
5 - 100	0,1	±0,8	<0,25	200 / 300 / F20 / F100 / F200	EU-adapter	1	613-0054
5 - 100	0,1	±0,8	<0,25	200 / 300 / F20 / F100 / F200	UK-adapter	1	613-0222
10 - 200	0,2	±0,8	<0,25	200 / 300 / F20 / F100 / F200	EU-adapter	1	613-0610
10 - 200	0,2	±0,8	<0,25	200 / 300 / F20 / F100 / F200	UK-adapter	1	613-0611
15 - 300	0,5	±0,6	<0,25	200 / 300 / F100 / F200	EU-adapter	1	613-0220
15 - 300	0,5	±0,6	<0,25	200 / 300 / F100 / F200	UK-adapter	1	613-0223
<b>Accessories</b>							
<b>Description</b>						<b>Pk</b>	<b>Cat. No.</b>
Individual stand for Transferpette® / Transferpette® S -8/-12 single instrument						1	613-1682





### Pipette tips, racked, Tip-Stack™

Brand



**High-quality, transparent PP, non sterile, autoclavable**

- Space-saving, environmentally compatible refill system for Tip-Box N, Tip-Box SL or Tip-Box PC
- Low Retention tips: Ultra-hydrophobic surface is over three times more liquid repellent than untreated PP; ideal for solvents and biological samples that contain detergents



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 20	-	10×96	960	613-1373
2 - 200	-	10×96	960	613-1374
50 - 1000	-	10×100	1000	613-1375

**Low Retention tips**

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 20	-	10×96	960	613-1541
2 - 200	-	10×96	960	613-1542
50 - 1000	-	10×100	1000	613-1543

### Pipette tips, PLASTIBRAND®, Bulk

Brand



**High-quality, transparent PP, autoclavable**

- Manufactured without lubricants
- Cadmium-free pigments
- Environment friendly packaging systems
- PLASTIBRAND® pipette tips are tested for Brand and most of the pipette types from Gilson®, Thermo Scientific (Finnpipette®), Eppendorf® and Biohit. The 5 ml tip is exclusively tested for Brand and Finnpipette®. The 10 ml tip is suitable for Brand, Eppendorf® and Gilson®
- Autoclavable at +121 °C (2 bar, DIN EN 285)



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 20	-	Bulk, 2 bags, 1000 each	2000	612-5700
0,5 - 20	-	Bulk, 2 bags, 1000 each	2000	612-5714
0,5 - 20	-	Bulk, 10 bags, 1000 each	10000	612-5715
2 - 200	-	Bulk, 1 bag, 1000	1000	612-5724
2 - 200	-	Bulk, 10 bags, 1000 each	10000	612-5725
5 - 300	-	Bulk, 1 bag, 1000	1000	612-5744
5 - 300	-	Bulk, 10 bags, 1000 each	10000	612-5745
50 - 1000	-	Bulk, 2 bags, 500 each	1000	612-5734
50 - 1000	-	Bulk, 10 bags, 500 each	5000	612-5735
50 - 1250	-	Bulk, 2 bags, 500 each	1000	613-1680
50 - 1250	-	Bulk, 8 bags, 500 each	4000	613-1681
500 - 5000	-	Bulk, 1 bag, 200	200	612-5754
500 - 5000	-	Bulk, 5 bags, 200 each	1000	612-5701
1000 - 10000	-	Bulk, 2 bags, 100 each	200	613-3445
1000 - 10000	-	Bulk, 10 bags, 100 each	1000	613-3446

### Pipette tips, PLASTIBRAND®, racked, Tip-Box N

Brand



**High-quality, transparent PP, non sterile, autoclavable**

- Available in two different heights: Low form for 96 tips up to 300 µl, high form for 100 tips with 1000 µl
- Stackable and repeatedly autoclavable (+121 °C)
- PP box with push-on lid; refillable with Tip-Rack (non sterile), Tip-Rack S (sterile) and Tip-Stack™ (non sterile)



**Low Retention tips:** Ultra-hydrophobic surface is over three times more liquid repellent than untreated PP; ideal for solvents and biological samples that contain detergents.

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 20	-	5 boxes, 96 each	480	612-5705
0,5 - 20	-	5 boxes, 96 each	480	612-5706
2 - 200	-	5 boxes, 96 each	480	612-5707
5 - 300	-	5 boxes, 96 each	480	612-5708
50 - 1000	-	5 boxes, 100 each	500	613-1687
50 - 1250	-	5 boxes, 100 each	500	613-1679

### Low Retention tips

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 20	-	5 boxes, 96 each	480	613-1535
0,5 - 20	-	5 boxes, 96 each	480	613-1536
2 - 200	-	5 boxes, 96 each	480	613-1537
5 - 300	-	5 boxes, 96 each	480	613-1538
50 - 1000	-	5 boxes, 100 each	500	613-1539
50 - 1250	-	5 boxes, 100 each	500	613-1540

## Pipette tips, PLASTIBRAND®, racked, Tip-Box Brand



### High-quality, transparent PP, non sterile, autoclavable

- PP box with push-on lid
- Filled with 5 ml or 10 ml tips
- Repeatedly autoclavable at +121 °C (2 bar, DIN EN 285)

IVD



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
500 - 5000	-	1 box, 28 each	1	612-5712
1000 - 10000	-	1 box, 18 each	1	613-3447

## Pipette tips, PLASTIBRAND®, racked, Tip-Box SL Brand



### High-quality, transparent PP, non sterile, autoclavable

Innovative, convenient PC box with slide and swing lid.

- Keeps unused tips covered while working with single channel and multichannel pipettes
- Not stackable, autoclavable at +121 °C (2 bar, DIN EN 285)
- Refillable with Tip-Rack (non sterile), Tip-Rack S (sterile) and Tip-Stack™ (non sterile)

IVD



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 20	-	1 Tip-Box SL with 96 tips	96	613-4212
0,5 - 20	-	1 Tip-Box SL with 96 tips	96	613-4213
2 - 200	-	1 Tip-Box SL with 96 tips	96	613-4214
5 - 300	-	1 Tip-Box SL with 96 tips	1	613-4215
50 - 1000	-	1 Tip-Box SL with 60 tips	60	613-4216

### Spare parts

Description	Pk	Cat. No.
Tip-Box SL, PC, empty	1	613-4211

## Tip-Box PC Brand



### PC, autoclavable

For storing micropipette tips.

- Closed with sliding lid
- Can be stacked
- For Tip-Rack (non-sterile) and Tip-Rack S (sterile)

**Ordering information:** Tip-Box PC supplied empty.



Description	Pk	Cat. No.
Tip-Box PC, empty	1	612-5790

## Pipette tips, PLASTIBRAND®, racked, Tip-Rack and Tip-Set Brand



Tip-Rack



Tip-Set

High-quality, transparent PP, non sterile, autoclavable

- Two individual refill trays (racks) are packed into a space-saving carton
- Refill units that include a Tip-Box are called Tip-Set



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>Tip-Rack</b>				
0,1 - 20	-	10 racks, 96 each	960	612-5704
0,5 - 20	-	10 racks, 96 each	960	612-5711
2 - 200	-	10 racks, 96 each	960	612-5722
5 - 300	-	10 racks, 96 each	960	612-5741
50 - 1000	-	16 racks, 60 each	960	612-5732
50 - 1000	-	10 racks, 100 each	1000	613-1686
50 - 1250	-	10 racks, 100 each	1000	612-3340
<b>Tip-Set</b>				
0,1 - 20	-	5 racks, 96 each + 1 box	480	612-5702
0,5 - 20	-	5 racks, 96 each + 1 box	480	612-5710
2 - 200	-	5 racks, 96 each + 1 box	480	612-5720
5 - 300	-	5 racks, 96 each + 1 box	480	612-5703
50 - 1000	-	5 racks, 100 each + 1 Tip-Box	500	612-3338
50 - 1250	-	5 racks, 100 each + 1 Tip-Box	500	612-3339

## Pipette tips, PLASTIBRAND®, Racked, BIO-CERT® Brand



Tip-Rack S



Tip-Set S



Tip-Box N



High-quality, transparent PP, sterile, autoclavable

- BIO-CERT® refill units are protected in environmentally compatible packaging made from recyclable PET and suitable for the autoclaved Tip-Box N, Tip-Box PC and Tip-Box SL
- BIO-CERT® units are free from DNA, DNase, RNase, ATP and endotoxins
- Refill units that include a Tip-Box are called Tip-Set S

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>Tip-Rack S</b>				
0,1 - 20	+	10 racks, 96 each	960	612-5716
0,5 - 20	+	10 racks, 96 each	960	612-5607
2 - 200	+	10 racks, 96 each	960	612-5608
5 - 300	+	10 racks, 96 each	960	612-5609
<b>Tip-Set S</b>				
0,5 - 20	+	5 racks, 96 each + 1 box	480	612-5611
0,1 - 20	+	5 racks, 96 each + 1 box	480	612-5717
2 - 200	+	5 racks, 96 each + 1 box	480	612-5612
5 - 300	+	5 racks, 96 each + 1 box	480	612-5613
<b>Tip-Box N, sterile</b>				
0,1 - 20	+	10 racks, 96 each	960	613-0585
0,5 - 20	+	10 racks, 96 each	960	613-0586
2 - 200	+	10 racks, 96 each	960	613-0587
5 - 300	+	10 racks, 96 each	960	613-0588
50 - 1000	+	10 racks, 100 each	1000	613-0589
50 - 1250	+	10 racks, 100 each	1000	613-0590
<b>Tip-Box N, sterile, Low Retention tips</b>				
0,1 - 20	+	10 racks, 96 each	960	613-1544
0,5 - 20	+	10 racks, 96 each	960	613-1545
20 - 200	+	10 racks, 96 each	960	613-1546
5 - 300	+	10 racks, 96 each	960	613-1547
50 - 1000	+	10 racks, 100 each	1000	613-1548
50 - 1250	+	10 racks, 100 each	1000	613-1549

### Filter tips, PLASTIBRAND®

Brand



#### High-quality, transparent PP, with PE filter, non sterile or sterile, autoclavable

- Integrated hydrophobic PE filter (free from chemical additives) serves as a barrier against aerosols formed during pipetting
- Filter tips protect the pipette shafts from contamination
- Sterile BIO-CERT® tips are free from DNA, DNase, RNase, ATP and endotoxins



**Low Retention tips:** Ultra-hydrophobic surface is over 3 times more liquid repellent than untreated PP; ideal for solvents and biological samples that contain detergents

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>Bulk, non sterile</b>				
0,1 - 1	-	Bulk	960	613-1674
0,5 - 10	-	Bulk	960	612-5660
2 - 20	-	Bulk	960	612-5661
5 - 100	-	Bulk	960	612-5662
5 - 200	-	Bulk	960	612-5663
50 - 1000	-	Bulk	1000	612-5664
<b>Tip-Rack, non sterile</b>				
0,1 - 1	-	10 racks, 96 each	960	613-1677
0,5 - 10	-	10 racks, 96 each	960	612-5780
2 - 20	-	10 racks, 96 each	960	612-5782
5 - 100	-	10 racks, 96 each	960	612-5784
5 - 200	-	10 racks, 96 each	960	612-5786
50 - 1000	-	10 racks, 100 each	1000	613-1678
<b>Tip-Rack S, sterile BIO-CERT®</b>				
0,1 - 1	+	10 racks, 96 each	960	613-1676
0,5 - 10	+	10 racks, 96 each	960	612-5620
2 - 20	+	10 racks, 96 each	960	612-5621
5 - 100	+	10 racks, 96 each	960	612-5622
5 - 200	+	10 racks, 96 each	960	612-5623
<b>Tip-Rack S, sterile BIO-CERT®, low retention</b>				
0,1 - 1	+	10 racks, 96 each	960	732-1451
0,5 - 10	+	10 racks, 96 each	960	732-1452
2 - 20	+	10 racks, 96 each	960	732-1453
5 - 100	+	10 racks, 96 each	960	732-1454
5 - 200	+	10 racks, 96 each	960	732-1455
<b>Tip-Set S, sterile BIO-CERT®</b>				
0,1 - 1	+	5 racks, 96 each + 1 box	480	613-1675
0,5 - 10	+	5 racks, 96 each + 1 box	480	612-5615
5 - 100	+	5 racks, 96 each + 1 box	480	612-5617
5 - 200	+	5 racks, 96 each + 1 box	480	612-5618
2 - 20	+	5 racks, 96 each + 1 box	480	612-5616
<b>Tip Box N, sterile BIO-CERT®, low retention</b>				
0,1 - 1	+	10 racks, 96 each	960	732-1456
0,5 - 10	+	10 racks, 96 each	960	732-1457
2 - 20	+	10 racks, 96 each	960	732-1458
5 - 100	+	10 racks, 96 each	960	732-1459
5 - 200	+	10 racks, 96 each	960	732-1460
50 - 1000	+	10 racks, 100 each	1000	732-1461
<b>Tip Box N, sterile BIO-CERT®</b>				
0,1 - 1	+	10 racks, 96 each	960	613-1695
0,5 - 10	+	10 racks, 96 each	960	613-0591
2 - 20	+	10 racks, 96 each	960	613-1768
5 - 100	+	10 racks, 96 each	960	613-0593
5 - 200	+	10 racks, 96 each	960	613-0594
50 - 1000	+	10 racks, 100 each	1000	613-0595

## Single channel pipettes, mechanical, Transferpettor™

Brand



### Fixed or variable volume

Ideal for pipetting highly viscous media up to 50 000 mm<sup>2</sup>/s, or with density up to 13,6 g/cm<sup>3</sup> (protein solutions, oils, fat, mercury, sulphuric acid), high vapour pressure media up to 500 mbar (alcohols, ethers, hydrocarbons), or media with a tendency to foam (tensioactive solutions).

- For pipetting media that present problems for air displacement pipettes
- Positive displacement ensures that results are reproducible regardless of pipetting speed and ambient conditions
- The movable piston is in direct contact with the liquid and removes the last drop from the walls of the capillaries or tips
- Residual moisture in the capillaries or tips is minimal and may be disregarded except in the case of infectious or radioactive media
- Certified compliant with a certificate of quality

**Ordering information:** Must be used with capillaries, tips, and pistons for Transferpettor™.

### Fixed volume

Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
1	±4,0	<4,0	5	White	1	613-3358
2	±2,5	<2,0	5	White	1	613-3359
5	±1,0	<0,8	5	White	1	613-3362
10	±1,0	<0,8	10	Orange	1	613-3363
20	±0,8	<0,5	20	Black	1	613-3364
25	±0,8	<0,4	25	2 × White	1	613-3365
50	±0,6	<0,4	50	Green	1	613-3366
100	±0,6	<0,4	200	Blue	1	613-3367
200	±0,5	<0,2	200	Red	1	613-3368

### Variable volume

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
2,5 - 10	0,01	±1,0	<0,8	10	Orange	1	613-3354
5 - 25	0,1	±0,8	<0,5	25	2 × White	1	613-3355
10 - 50	0,1	±0,6	<0,4	50	Green	1	613-3356
20 - 100	0,1	±0,6	<0,4	200	Blue	1	613-3357
100 - 500	1	±0,5	<0,2	500	Green	1	613-3379
200 - 1000	1	±0,5	<0,2	1000	Yellow	1	613-3380
1000 - 5000	10	±0,5	<0,2	5000	Red	1	613-3381
2000 - 10000	10	±0,5	<0,2	10000	Orange	1	613-3382

## Capillaries and tips for Transferpettor

Brand



Conformity certified.

Capacity (µl)	Colour code	Pk	Cat. No.
<b>Capillaries, glass</b>			
1/2/5	White	100	613-3369
10	Orange	100	613-3370
20	Black	100	613-3371
25	2 × White	100	613-3372
50	Green	100	613-3373
100/200	Blue/Red	50	613-3374
<b>Tips, PP</b>			
100 - 500	Green	10	613-3383
200 - 1000	Yellow	10	613-3384
1000 - 5000	Red	10	613-3385
2000 - 10000	Orange	10	613-3386

### Pistons for Transferpettor™

Brand



613-3375



613-3387

Conformity certified.

Capacity (µl)	Pk	Cat. No.
<b>Pistons, PTFE</b>		
20/25	3	613-3375
50	3	613-3376
100/200	3	613-3377
<b>Pistons, PE</b>		
100 - 500	10	613-3387
200 - 1000	10	613-3388
1000 - 5000	10	613-3389
2000 - 10000	10	613-3390

### Transferpettor™-station

Brand



Description	Pk	Cat. No.
For 2× Transferpettor™ 0,5 to 10 ml with accessories	1	613-3391
For 4× Transferpettor™ up to 200 µl with accessories	1	613-3378

VWR COLLECTION

Delivering High Quality & Superior Performance

Please contact your local VWR sales office or go to [www.vwr.com](http://www.vwr.com) for the latest news and special offers

## Single channel pipettes, mechanical, Finnpi<sup>®</sup> F1 Thermo Scientific



613-2738



613-2765



### Fixed or variable volume

Finnpi<sup>®</sup> F1 combines all Finnpi<sup>®</sup> advantages with a unique antimicrobial treatment to give better protection against contamination.

**Ordering information:** Supplied with one opening and calibration key, one maintenance set (incl. grease and O-rings), one calibration report, three-year warranty certificate (extended to five years with web registration) and user's guide (English, French, German, Spanish).

GLP-Kits supplied with three Finnpi<sup>®</sup> F1 (GLP-Kit 1 and 3) or four Finnpi<sup>®</sup> F1 (GLP-Kit 2), one stand for 6 pipettes, three racks of FinnTip Flex tips and 15 disposable reagent reservoirs.

Fixed volume					
Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips	Pk	Cat. No.
1*	±4,00	<4,00	Finntip Flex 10, 10, 20 Micro, 50	1	613-2742
5*	±1,40	<1,40	Micro	1	613-2743
10	±0,90	<0,80		1	613-2744
20	±0,70	<0,50		1	613-1478
25	±0,60	<0,50		1	613-2745
50	±0,60	<0,40	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2746
100	±0,40	<0,30		1	613-2747
200	±0,40	<0,30		1	613-1479
250	±0,40	<0,30		1	613-2748
500	±0,30	<0,30	Finntip Flex 1000, 1000, 1000 Ext.	1	613-2749
1000	±0,30	<0,30		1	613-2750
2000	±0,30	<0,20		1	613-2751
3000	±0,30	<0,20	Finntip 5 ml	1	613-2752
5000	±0,30	<0,20		1	613-2753
10 000	±0,30	<0,20	Finntip 10 ml, Flex 10 ml Ext.	1	613-2754

\* Micro

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
0,2 - 2*	0,002	±2,50 - ±12,00	<2,00 - <0,00	Pink	Finntip Flex 10, 10, 20 Micro, 50	1	613-2730
0,5 - 5*	0,01	±1,50 - ±6,00	<1,00 - <5,00	Pink	Micro	1	613-2731
1 - 10*	0,02	±1,00 - ±2,50	<0,50 - <2,00	Pink		1	613-2732
1 - 10	0,02	±1,00 - ±3,50	<0,80 - <3,00	Yellow	Finntip Flex 200, 250 Univ.	1	613-2733
2 - 20*	0,02	±1,00 - ±3,00	<0,40 - <2,50	Turquoise	Finntip 20 Micro, 50 Micro	1	613-2734
2 - 20	0,02	±1,00 - ±3,00	<0,40 - <2,50	Yellow	Finntip Flex 200, 250 Univ.	1	613-2735
5 - 50*	0,1	±0,60 - ±3,00	<0,30 - <2,50	Turquoise	Finntip 50 Micro	1	613-1484
5 - 50	0,1	±0,60 - ±3,00	<0,30 - <2,50	Yellow	Finntip Flex 200, 250 Univ.	1	613-1485
10 - 100	0,2	±0,80 - ±3,00	<0,20 - <1,00	Yellow		1	613-2736
20 - 200	0,2	±0,60 - ±1,80	<0,20 - <0,70	Yellow	Finntip Flex 200, 250 Univ., Flex 300, 200 Ext.	1	613-2737
30 - 300	1	±0,60 - ±1,60	<0,20 - <0,60	Orange		1	613-2738
100 - 1000	1	±0,60 - ±1,00	<0,20 - <0,60	Blue	Finntip Flex 1000, 1000, 1000 Ext.	1	613-2739
500 - 5000	10	±0,50 - ±2,00	<0,20 - <0,80	Green	Finntip 5 ml	1	613-2740
1000 - 10 000	20	±0,50 - ±2,00	Finntip 10 ml, Flex 10 ml Ext.	Red	Finntip 10 ml, Flex 10 ml Ext.	1	613-2741

\* Micro



# Pipettes, Steppers and Tips

## Thermo Labsystems Pipettes

GLP-Kits		
Description	Pk	Cat. No.
Finnpipette® F1 GLP-Kit 1 (1 - 10 µl / 10 - 100 µl / 100 - 1000 µl)	1	613-2766
Finnpipette® F1 GLP-Kit 2 (0,2 - 2 µl / 2 - 20 µl / 20 - 200 µl / 100 - 1000 µl)	1	613-2767
Finnpipette® F1 GLP-Kit 3 (10 - 100 µl / 100 - 1000 µl / 1 - 10 ml)	1	613-2768

Accessories		
Description	Pk	Cat. No.
F-Stand for 6 F1/F2 FinnpiPETTE®	1	613-2765

## Single channel pipettes, mechanical, FinnpiPETTE® F2

Thermo Scientific



613-2704

613-2765



### Fixed or variable volume, fully autoclavable

FinnpiPETTE F2 offers superior comfort, performance, reliability and easy maintenance in one of the lightest pipettes available in the market.

- Advanced Volume Gearing mechanism (AVG) - self supportive modular mechanism increasing accuracy, precision and durability, with light force and smaller increments for volume adjustment
- Large, contrasted Ergovisio display with white numbers on black background for increased volume visibility and security
- Soft-touch tip ejection to eject the tips with very light force
- Superior handle ergonomics and very low force pipetting movement
- Super blow-out piston for volumes of 50 µl and below, which ensures the delivery of micro-size drops

**Ordering information:** Supplied with one opening and calibration key, one maintenance set (incl. grease and O-rings), calibration report, three-year warranty certificate (extended to five years with web registration) and user's guide (English, French, German, Spanish).

GLP-Kits supplied with three FinnpiPETTE® F2 (GLP-Kit 1 and 3) or four FinnpiPETTE® F2 (GLP-Kit 2), one stand for six pipettes, three racks of 96 Finntip Flex tips and 15 disposable reagent reservoirs.

Fixed volume					
Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
1*	±4,00	<4,00	Finntip Flex 10, 10, 20 Micro, 50	1	613-2707
5*	±1,40	<1,40	Micro	1	613-2708
10	±0,80	<0,80		1	613-2709
20	±0,70	<0,50		1	613-1480
25	±0,50	<0,50		1	613-2710
50	±0,40	<0,40	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2711
100	±0,30	<0,30		1	613-2712
200	±0,40	<0,30		1	613-1481
250	±0,30	<0,30		1	613-2713
500	±0,30	<0,30	Finntip Flex 1000, 1000, 1000 Ext.	1	613-2714
1000	±0,30	<0,30		1	613-2715
2000	±0,20	<0,20		1	613-2716
3000	±0,20	<0,20	Finntip 5 ml	1	613-2717
5000	±0,20	<0,20		1	613-2718
10000	±0,20	<0,20	Finntip 10 ml, Flex 10 ml Ext.	1	613-2719

\* Micro

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
0,2 - 2*	0,002	±2,50 - ±12,00	<2,00 - <10,00	Pink		1	613-2696
0,5 - 5*	0,01	±1,50 - ±6,00	<1,00 - <5,00	Pink	Finntip Flex 10, 10, 50 Micro	1	613-2697
1 - 10*	0,02	±1,00 - ±2,50	<0,50 - <2,00	Pink		1	613-2698
1 - 10	0,02	±1,00 - ±3,50	<0,80 - <3,00	Yellow	Finntip Flex 200, 250 Univ.	1	613-2699
2 - 20*	0,02	±1,00 - ±3,00	<0,40 - <2,50	Turquoise	Finntip 50 Micro	1	613-2700
2 - 20	0,02	±1,00 - ±3,00	<0,40 - <2,50	Yellow	Finntip Flex 200, 250 Univ.	1	613-2701
5 - 50*	0,1	±0,60 - ±3,00	<0,30 - <2,50	Turquoise	Finntip 50 Micro	1	613-1486

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
5 - 50	0,1	±0,60 - ±3,00	<0,30 - <2,50	Yellow	Finntip Flex 200, 250 Univ., Flex 300, 200 Ext.	1	613-1487
10 - 100	0,2	±0,80 - ±3,00	<0,20 - <1,00	Yellow		1	613-2702
20 - 200	0,2	±0,60 - ±1,80	<0,20 - <0,70	Yellow		1	613-2703
100 - 1000	1	±0,60 - ±1,00	<0,20 - <0,60	Blue	Finntip Flex 1000, 1000, 1000 Ext.	1	613-2704
500 - 5000	10	±0,50 - ±2,00	<0,20 - <0,80	Green	Finntip Flex 5 ml	1	613-2705
1000 - 10000	20	±0,50 - ±2,00	<0,20 - <0,80	Red	Finntip 10 ml, Flex 10 ml Ext.	1	613-2706

\* Micro

GLP-Kits		
Description	Pk	Cat. No.
Finnpipette® F2 GLP-Kit 1 (1 - 10 µl / 10 - 100 µl / 100 - 1000 µl)	1	613-2769
Finnpipette® F2 GLP-Kit 2 (0,2 - 2 µl / 2 - 20 µl / 20 - 200 µl / 100 - 1000 µl)	1	613-2770
Finnpipette® F2 GLP-Kit 3 (10 - 100 µl / 100 - 1000 µl / 1 - 10 ml)	1	613-2771

Accessories		
Description	Pk	Cat. No.
F-Stand for 6 F1/F2 Finnpipette®	1	613-2765

## Multichannel pipettes, mechanical, Finnpipette® F1

Thermo Scientific



613-2761



613-2765



### Variable volume

Finnpipette® F1 combines all Finnpipette® advantages with a unique antimicrobial treatment to give better protection against contamination.

- Antimicrobial surface – silver (Ag) ions create a surface which inhibits growth of bacteria, microbes and fungus
- Advanced Volume Gearing mechanism (AVG) – self supportive modular mechanism increasing accuracy, precision and durability, with light force and smaller increments for volume adjustment
- Set and forget pipetting button – easy set and forget lock mechanism to adjust the volume, pipetting button rotates freely when not in locking position
- Superior handle ergonomics, including adjustable finger rest (120°) for optimal pipetting position, very low force pipetting movement
- Super blow-out piston for volumes of 50 µl and below, which ensures the delivery of micro-size drops

**Ordering information:** Supplied with one opening and calibration key, maintenance set (incl. grease and O-rings), calibration report, three-year warranty certificate (extended to five years with web registration) and user's guide (English, French, German, Spanish).

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
<b>8-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Pink	Finntip Flex 10, 10, 20 Micro, 50 Micro	1	613-2755
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Yellow	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2756
10 - 100	0,2	±1,30 - ±0,50	0,50 - 2,00	Yellow		1	613-2757
30 - 300	1	±3,0 - ±1,5	0,30 - 2,00	Orange	Finntip Flex 300, 300	1	613-2758
<b>12-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Pink	Finntip Flex 10, 10, 20 Micro, 50 Micro	1	613-2759
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Yellow	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2760
10 - 100	0,2	±1,30 - ±0,50	0,50 - 2,00	Yellow		1	613-2761
30 - 300	1	±3,0 - ±1,5	0,30 - 2,00	Orange	Finntip Flex 300, 300	1	613-2762
<b>16-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Lilac	Finntip Flex 20 Micro, 50 Micro	1	613-2763
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Turquoise	Finntip 50 Micro	1	613-2764

Accessories		
Description	Pk	Cat. No.
F-Stand for 6 F1/F2 Finnpipette®	1	613-2765
Pipette stand for 1 multichannel Finnpipette®	1	613-0805

### Multichannel pipettes, mechanical, Finnpiquette® F2

Thermo Scientific



#### Variable volume, fully autoclavable

Finnpiquette® F2 offers superior comfort, performance, reliability and easy maintenance in one of the lightest pipettes available in the market.

- Advanced Volume Gearing mechanism (AVG) – self supportive modular mechanism increasing accuracy, precision and durability, with light force and smaller increments for volume adjustment
- Large, contrasted Ergovisio display with white numbers on black background for increased volume visibility and security
- Soft-touch tip ejection to eject the tips with very light force
- Superior handle ergonomics and very low force pipetting movement
- Super blow-out piston for volumes of 50 µl and below, which ensures the delivery of micro-size drops

**Ordering information:** Supplied with opening and calibration key, maintenance set (incl. grease and O-rings), calibration report, three-year warranty certificate (extended to five years with web registration) and user's guide (English, French, German, Spanish).

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
<b>8-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Pink	Finntip Flex 10, 10, 20 Micro, 50 Micro	1	613-2720
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Yellow	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2721
10 - 100	0,2	±1,30 - ±0,50	0,50 - 2,00	Yellow	200 Ext.	1	613-2722
30 - 300	1	±3,0 - ±1,5	0,30 - 2,00	Orange	Finntip Flex 300, 300	1	613-2723
<b>12-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Pink	Finntip Flex 10, 10, 20 Micro, 50 Micro	1	613-2724
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Yellow	Finntip Flex 200, 250 Univ., 200 Ext.	1	613-2725
10 - 100	0,2	±1,30 - ±0,50	0,50 - 2,00	Yellow	200 Ext.	1	613-2726
30 - 300	1	±3,0 - ±1,5	0,30 - 2,00	Orange	Finntip Flex 300, 300	1	613-2727
<b>16-Channel</b>							
1 - 10	0,02	±0,24 - ±0,12	1,60 - 8,00	Lilac	Finntip Flex 20 Micro, 50 Micro	1	613-2728
5 - 50	0,1	±0,75 - ±0,25	0,70 - 2,00	Turquoise	Finntip 50 Micro	1	613-2729

#### Accessories

Description	Pk	Cat. No.
F-Stand for 6 F1/F2 Finnpiquette®	1	613-2765
Pipette stand for 1 multichannel Finnpiquette®	1	613-0805

## Single channel pipettes, electronic, Finnpiquette® Novus Thermo Scientific



### Autoclavable (end fitting only)

- Light, ergonomic design for ease of use
- Finger rest can be pivoted through 120° so that pipetting can be controlled with the index finger
- Soft-touch eject button suitable for right-handed and left-handed use
- Large screen, two-level menu can be accessed with a single button
- Ten pipetting functions and nine speed levels can be accessed via a single button

**Ordering information:** Supplied with a universal AC-adapter, a complete operating and maintenance manual, the certificate of calibration (according to ISO 8655) and an adhesive mini-support.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
1 - 10	0,01	±3,5 - ±1,0	3,0 - 0,5	Pink	Flex 10, 10, 20, 50 Micro	1	613-0123
1 - 10	0,01	±7,0 - ±1,0	6,0 - 0,5	Yellow	Flex 200, 250 Univ, 200 Ext	1	613-0125
5 - 50	0,1	±3,0 - ±0,8	2,5 - 0,3	Turquoise	50	1	613-0127
5 - 50	0,1	±3,0 - ±0,8	2,5 - 0,3	Yellow	Flex 200, 250 Univ, 200 Ext	1	613-0129
10 - 100	0,1	±3,0 - ±0,8	1,0 - 0,2	Yellow	Flex 200, 250 Univ, 200 Ext	1	613-0131
30 - 300	1	±3,0 - ±0,6	0,7 - 0,2	Orange	Flex 300 µl, 300	1	613-0133
100 - 1000	1	±3,0 - ±0,6	0,6 - 0,2	Blue	Flex 1000, 1000, 1000 Ext	1	613-0135
500 - 5000	10	±3,0 - ±0,6	0,8 - 0,2	Green	5000	1	613-0137
1000 - 10000	10	±3,0 - ±0,6	0,8 - 0,2	Red	10000, Flex 10000 Ext.	1	613-0139

## Multichannel pipettes, electronic, Finnpiquette® Novus Thermo Scientific



### Autoclavable (end fitting only)

- Ergonomic design for exceptionally easy use in routine laboratory work
- Handle can be pivoted through 120° so that pipetting can be controlled with the index finger
- Soft-touch eject button suitable for right-handed or left-handed use
- Large screen, two level menu can be accessed with a single button
- Ten pipetting functions and nine speed levels accessible via a single button, enables fast programming

**Ordering information:** Supplied with a universal AC-adapter, a complete operating and maintenance manual, the certificate of calibration (according to ISO 8655) and an adhesive mini-support.



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	For pipette tips (µl)	Pk	Cat. No.
<b>8-Channel</b>							
1 - 10	0,1	±12,0 - ±2,4	8,0 - 1,6	Pink	10, 20, 50	1	613-0176
5 - 50	0,1	±5,0 - ±1,5	2,0 - 0,7	Yellow	Flex 200, 250 Univ, 200 Ext	1	613-0178
30 - 300	1	±5,0 - ±1,5	2,0 - 0,3	Orange	Flex 300, 300	1	613-0180
100 - 1200	1	±3,0 - ±1,0	0,9 - 0,2	Turquoise	Flex 1200	1	613-0612
<b>12-Channel</b>							
1 - 10	0,1	±12,0 - ±2,4	8,0 - 1,6	Pink	Flex 10, 10, 20, 50 Micro	1	613-0177
5 - 50	0,1	±5,0 - ±1,5	2,0 - 0,7	Yellow	Flex 200, 250 Univ, 200 Ext	1	613-0179
30 - 300	1	±5,0 - ±1,5	2,0 - 0,3	Orange	Flex 300, 300	1	613-0181
<b>16-Channel</b>							
5 - 50	0,5	±5,0 - ±1,5	2,0 - 0,7	Turquoise	50	1	613-0182

## Repetitive pipette, multichannel, Finnpi<sup>®</sup> Multistepper

Thermo Scientific



### Five preset volumes

Light, easy to use, 8-channel micropipette, designed for dispensing liquids onto microplates and quick completion of routine laboratory tasks. It uses the same handpiece as the Finnpi<sup>®</sup> Stepper, and the 8-channel module is fitted to this. The 8 channels are calibrated to dispense exactly the same volume of liquid at exactly the same time.



- Handpiece can be used with Finntip<sup>®</sup> syringes (Finnpi<sup>®</sup> Stepper) or with an 8-channel module (Finnpi<sup>®</sup> Multistepper)
- 5 preset volumes: 50, 100, 150, 200 and 250 µl
- Dispensing with a single filling: 50 µl into 24×8=192 wells; 100 µl into 12×8=96 wells; 150 µl into 8×8=64 wells; 200 µl into 6×8=48 wells; 250 µl into 5×8=40 wells
- Module rotates through 360° around the handpiece for increased comfort when pipetting
- Complete volumes chart is provided on the handpiece

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
<b>Multistepper (module and handle)</b>						
1250	50	±2,0	<2,0	Finntip <sup>®</sup> Multistepper (50 - 1500 µl)	1	612-6300
<b>Multistepper (module only)</b>						
1250	50	±2,0	<2,0	Finntip <sup>®</sup> Multistepper (50 - 1500 µl)	1	612-6301

### Accessories

Description	Pk	Cat. No.
Finntip <sup>®</sup> Multistepper tips, bulk	400	613-2616
Finntip <sup>®</sup> Multistepper tips, 10 racks, 96 each	960	613-2617
Finntip <sup>®</sup> Multistepper tips, 10 racks, 96 each, sterile	960	613-2618

## Pipette stands for Finnpi<sup>®</sup>

Thermo Scientific



Stand for 1 Finnpi<sup>®</sup> Novus



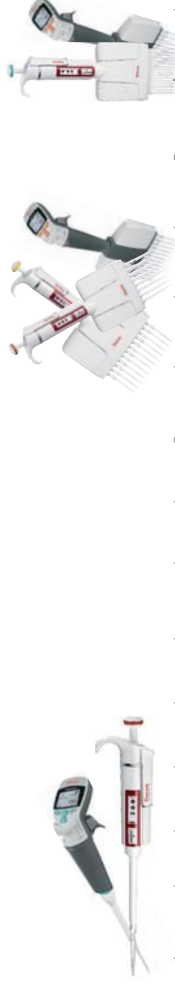
F-Stand for 6 F1/F2 Finnpi<sup>®</sup>















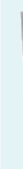










- Stands with three or seven spaces, aluminium cross bar and two sturdy feet. Enable single or multichannel Finnpi<sup>®</sup> to be stored vertically

Description	Pk	Cat. No.
Stand for 1 Finnpi <sup>®</sup> Novus	1	613-5036
Stand for 3 Finnpi <sup>®</sup> (*)	1	613-2669
Stand for 6 or 8 (when equipped with shelf hangers) Finnpi <sup>®</sup> Novus/Focus/Digital (*)	1	613-2668
Focus carousel for 6 Finnpi <sup>®</sup> Focus/Digital	1	613-2670
Pipette stand for 1 multichannel Finnpi <sup>®</sup>	1	613-0805
F-Stand for 6 F1/F2 Finnpi <sup>®</sup>	1	613-2765

\* Fits all Finnpi<sup>®</sup> with ergonomic curved finger rest

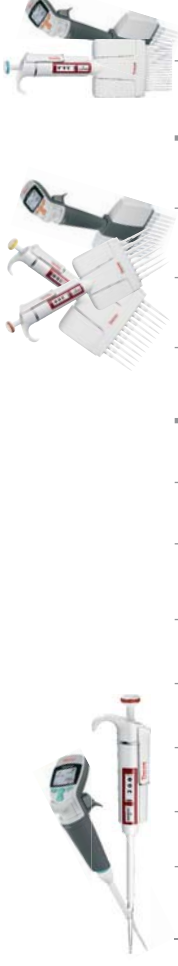
# Thermo Scientific Finntip Pipette Tips

















Volume Range	Packaging										Single Channels										8- and 12 channels				16-channel				
	Bag	Box	Rack	Reload	Rack (sterile)	Singles (sterile)	2µl	5µl	10µl micro	10µl	20µl micro	20µl	50µl micro	50µl	100µl	200µl	300µl	1000µl	5ml	10ml	1-10µl	1-10µl	5-50µl	10-100µl	30-300µl	1-10µl	5-50µl		
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# Thermo Scientific Finntip-Flex Pipette Tips



Volume Range	Packaging										Single Channels								8- and 12 channels				16-channel		
	Bag	Rack	Reload	Bag (sterile)	Rack (sterile)	2µl	5µl	10µl micro	20µl micro	20µl	50µl micro	50µl	100µl	200µl	300µl	1000µl	5ml	10ml	1-10µl	5-50µl	10-100µl	30-300µl	1-10µl	5-50µl	
	✓	✓	✓		✓	✓	✓												✓						
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## Pipette tips, Finntip® Thermo Scientific









### High quality PP, autoclavable

Tips designed to achieve the highest level of performance in terms of accuracy and repeatability in conjunction with Finnpipettes®.

- Unique shape of the collar assures a leak-free connection to the pipette
- Smooth, hydrophobic surface minimises liquid retention and allows total dispensing of the sample
- Certified RNase, DNase, DNA and endotoxin-free; colour-coded racks for rapid identification of the tips to be used

**Packaging:** Available in different volumes and packaged loose, in racks, in a starter kit (racks + refills) or as a refill kit.



	Capacity (µl)	Length (mm)	Sterile	Packed	Pk	Cat. No.
<b>Finntip® 10 µl, colour code: Pink</b>						
	0,2 - 10	32	-	Bulk	1000	613-2601
	0,2 - 10	32	-	10 racks, 96 each	960	613-2599
	0,2 - 10	32	+	10 racks, 96 each	960	613-2600
<b>Finntip® 20 µl, colour code: Violet</b>						
	0,2 - 20	33	-	Bulk	1000	613-2606
	0,2 - 20	33	-	10 racks, 384 each	3840	613-2604
	0,2 - 20	33	+	10 racks, 384 each	3840	613-2605
<b>Finntip® 50 µl, colour code: Turquoise</b>						
	0,5 - 50	48	-	Bulk	1000	613-2603
	0,5 - 50	48	-	10 racks, 384 each	3840	612-6346
	0,5 - 50	48	+	10 racks, 384 each	3840	612-6353
<b>Finntip® 250 µl, colour code: Yellow</b>						
	0,5 - 250	52	-	Bulk	500	613-2596
	0,5 - 250	52	-	Bulk	1000	613-2595
	0,5 - 250	52	-	Bulk	20000	613-2594
	0,5 - 250	52	-	10 racks, 96 each	960	613-2597
	0,5 - 250	52	+	10 racks, 96 each	960	613-2598
	0,5 - 250	52	-	4 racks, 96 each+10 refills, 96 each	1344	613-4483
	0,5 - 250	52	-	2x10 refills, 96 each	1920	612-6343
<b>Finntip® 300 µl, colour code: Orange</b>						
	5 - 300	52	-	Bulk	20000	613-2611
	5 - 300	52	-	Bulk	1000	613-2615
	5 - 300	52	-	10 racks, 96 each	960	613-2612
	5 - 300	52	+	10 racks, 96 each	960	613-2613
	5 - 300	52	-	20 refills, 96 each	1920	613-2614
<b>Finntip® 1000 µl, colour code: Blue</b>						
	100 - 1000	71	-	Bulk	200	613-2609
	100 - 1000	71	-	Bulk	1000	613-2608
	100 - 1000	71	-	Bulk	10000	613-2607
	100 - 1000	71	-	10 racks, 96 each	960	612-6378
	100 - 1000	71	+	10 racks, 96 each	960	613-4484
	100 - 1000	71	-	10 refills, 96 each	960	613-4485
<b>Finntip® 5 ml, colour code: Green</b>						
	1000 - 5000	147	-	Bulk	75	613-2623
	1000 - 5000	147	-	Bulk	500	613-2622
	1000 - 5000	147	-	Bulk	3000	613-2621
	1000 - 5000	147	-	5 racks, 54 each	270	613-5009
	1000 - 5000	147	+	5 racks, 54 each	270	613-5010
<b>Finntip® 10 ml, colour code: Red</b>						
	2000 - 10000	150	-	Bulk	40	613-2626
	2000 - 10000	150	-	Bulk	100	613-2627
	2000 - 10000	150	-	5 racks, 24 each	120	613-2628
	2000 - 10000	150	+	5 racks, 24 each	120	613-2629

## Pipette tips, Finntip® Flex Thermo Scientific

### High quality PP, autoclavable

New generation of tips offering the user greater flexibility.

- Ergonomic thin wall tip; low attachment and ejection forces
- Non slip rack with hinged cover
- Easy to use refill system

### Finntip® Flex 10 µl

Length: 33 mm  
Colour code: Pink






# Pipettes, Steppers and Tips

## Thermo Labsystems Pipettips

**Packaging:** Available loose, in racks, in a starter kit (1 rack of 96 + 20 refills of 96) or a refill kit (20 refills of 96).


	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	0,2 - 10	-	10 racks, 96 each	960	613-0806
	0,2 - 10	+	10 racks, 96 each	960	613-0807
	0,2 - 10	-	1 rack of 96 + 20 refills, 96 each	2016	613-0808
	0,2 - 10	-	20 refills, 96 each	1920	613-0809
	0,2 - 10	-	Bulk	1000	613-0810

### Finntip® Flex 200 µl

Length: 60 mm

Colour code: Yellow

**Packaging:** Available loose, in racks, in a starter kit (1 rack of 96 + 20 refills of 96) or a refill kit (20 refills of 96).


	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	1 - 200	-	10 racks, 96 each	960	613-0797
	1 - 200	+	10 racks, 96 each	960	613-0798
	1 - 200	-	1 rack of 96 + 20 refills, 96 each	2016	613-0799
	1 - 200	-	20 refills, 96 each	1920	613-0800
	1 - 200	-	Bulk	1000	613-0801

### Finntip® Flex 300 µl

Length: 61 mm

Colour code: Orange

**Packaging:** Available loose, in racks, in a starter kit (1 rack of 96 + 20 refills of 96) or a refill kit (20 refills of 96).


	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	5 - 300	-	10 racks, 96 each	960	613-0190
	5 - 300	+	10 racks, 96 each	960	613-5019
	5 - 300	-	1 rack of 96 + 20 refills, 96 each	2016	613-5020
	5 - 300	-	20 refills, 96 each	1920	613-5021
	5 - 300	-	Bulk	1000	613-5022

### Finntip® Flex 1000 µl

Length: 87 mm

Colour code: Blue

**Packaging:** Available loose, in racks, in a starter kit (1 rack of 96 + 16 refills of 96) or a refill kit (16 refills of 96).


	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	100 - 1000	-	10 racks, 96 each	960	613-0811
	100 - 1000	+	10 racks, 96 each	960	613-0812
	100 - 1000	-	1 rack of 96 + 16 refills, 96 each	1632	613-0813
	100 - 1000	-	16 refills, 96 each	1536	613-0814
	100 - 1000	-	Bulk	1000	613-0815

### Finntip® Flex 1200 µl

Length: 87 mm

Colour code: Turquoise

**Packaging:** Available loose, in racks, in a starter kit (1 rack of 96 + 16 refills of 96) or a refill kit (16 refills of 96).

	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	50 - 1200	-	1 rack of 96 + 16 refills, 96 each	1632	613-0816
	50 - 1200	-	16 refills, 96 each	1536	613-0817
	50 - 1200	-	Bulk	1000	613-0818

### Finntip® Flex 10 ml Extended

Length: 267 mm

**Packaging:** In bags.

	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
	1000 - 10000	+	Bulk	50	613-1598
	1000 - 10000	-	Bulk	100	613-0819

## Special pipette tips, Finntip® Thermo Scientific



### High quality PP, autoclavable

- Finntip® Extended (200 and 1000 µl): Long, tapered tip especially adapted for deep tubes and narrow-necked bottles
- Finntip® Wide: Tip with a wide, ground orifice for pipetting viscous liquids and fragile suspensions of cells or macromolecules, such as genomic DNA, without fragmentation



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>Finntip® 200 Extended, 78 mm, colour code: orange</b>				
5 - 200	-	Bulk	400	613-2591
5 - 200	-	10 racks, 96 each	960	613-2592
5 - 200	+	10 racks, 96 each	960	613-2593
<b>Finntip® 1000 Extended, 105 mm, colour code: blue</b>				
100 - 1000	-	Bulk	1000	613-2620
100 - 1000	-	5 racks, 96 each	480	613-4486
100 - 1000	+	5 racks, 96 each	480	613-4487
<b>Finntip® Wide</b>				
10 - 250	-	Bulk	1000	613-2648
10 - 250	-	Bulk	22000	613-2649
10 - 250	-	10 racks, 96 each	960	613-2652
10 - 250	+	10 racks, 96 each	960	613-2653
100 - 1000	-	Bulk	400	613-2650
100 - 1000	-	Bulk	6500	613-2651

## Pipette tips, Finntip® BioCon Thermo Scientific



### Sterile

Adapted for PCR applications and molecular and cellular biology in the pharmaceutical, medical and food processing industries.

- Sterilised by gamma radiation
- Certified to be free of DNA, DNase, RNase and endotoxins

**Ordering information:** Supplied with a certificate of quality.



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,2 - 10	+	Individually wrapped	100	613-2664
0,5 - 250	+	Individually wrapped	100	613-2665
100 - 1000	+	Individually wrapped	50	613-2666

## Filter tips, Finntip® filter Thermo Scientific



### High-quality PP with PE filter, sterile

- Integral filter made from water-repellent PE which does not swell on accidental penetration by liquid, allowing recovery of the sample
- Ideal for PCR and all other amplification techniques or any other work that involves a risk of contaminating the pipette by the aerosol effect
- Sterilised by gamma-irradiation, certified RNase, DNase, DNA and endotoxin-free



Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Micro	0,2 - 10	+	10 racks, 96 each	960	613-2656
Standard	0,5 - 10	+	10 racks, 96 each	960	613-2658
Standard	0,5 - 20	+	10 racks, 96 each	960	613-4492
Micro	0,2 - 20	+	10 racks, 384 each	3840	613-4490
Standard	0,3 - 30	+	10 racks, 96 each	960	613-5023
Micro	0,2 - 50	+	10 racks, 384 each	3840	613-4491
Standard	0,5 - 100	+	10 racks, 96 each	960	613-2659

## Pipettes, Steppers and Tips

Thermo Labsystems Pipettips

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Extended	5 - 100	+	10 racks, 96 each	960	613-4493
Standard	0,5 - 200	+	10 racks, 96 each	960	613-2660
Extended	5 - 200	+	10 racks, 96 each	960	613-4494
Standard	5 - 300	+	10 racks, 96 each	960	613-2661
Standard	100 - 1000	+	10 racks, 96 each	960	613-4495
Extended	100 - 1000	+	5 racks, 96 each	480	613-4496
Standard	1000 - 5000	+	5 racks, 54 each	270	613-5011
Standard	1000 - 10000	+	5 racks, 24 each	120	613-2663

## Multichannel pipettes, electronic, EXP / Equalizer, Matrix

### Thermo Scientific

The Matrix EXP and Equalizer pipettes provide power and flexibility to enhance multiple pipetting applications. Productivity is increased with individual speed settings, expandable tip spacing options and step-based programming.

- Ergonomic design and trigger-based operation increases comfort and reduces risk of repetitive stress injuries
- On-board memory saves five programmes (up to 40 steps each)
- Advanced lithium-ion battery technology allows more time working, less time charging; no memory effect
- Choice of five speeds controls aspiration, dispense, and mix steps independently
- Large volume capacity of 1250 µl per tip allows you to fill an entire microplate with up to 100 µl per well from a single aspiration
- Step-based programming makes it logical, intuitive, and easy to create programmes

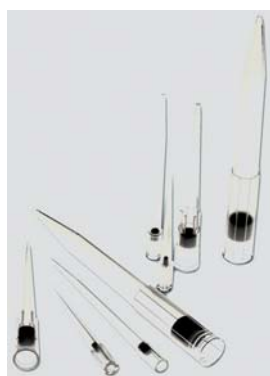
#### Expandable tip spacing

- Adjustable tip spacing allows the user to transfer multiple samples between different tube rack and microplate configurations
- The pipette tips can be expanded to access test tube racks and 24- or 48-well plates for simple, fast sample transfers
- Can also be used as a standard pipette for 24- or 48-well plates
- The Matrix Equalizer pipette is recommended when equal tip spacing between 9 and 14,15 mm is required or if the user would like to go down to 4,5 mm spacing

Type	Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	Colour code	Pk	Cat. No.
<b>Matrix EXP (features expandable tip spacing)</b>							
6-channel	2 - 125	0,1	±2,0	±1,0	Yellow	1	613-1797
6-channel	5 - 250	0,5	±2,0	±0,7	Blue	1	613-1798
6-channel	15 - 1250	1,0	±1,5	±0,6	Green	1	613-1799
8-channel	0,5 - 12,5	0,05	±2,5	±2,0	Red	1	613-1832
8-channel	2 - 125	0,1	±2,0	±1,0	Yellow	1	613-1783
8-channel	5 - 250	0,5	±2,0	±0,7	Blue	1	613-1784
8-channel	15 - 1250	1,0	±1,5	±0,6	Green	1	613-1785
12-channel	0,5 - 12,5	0,05	±2,5	±2,0	Red	1	613-1812
<b>Matrix Equalizer (features expandable, equal tip spacing)</b>							
8-channel	0,5 - 12,5	0,05	±2,5	±2,0	Red	1	613-1788
8-channel	1,0 - 30	0,05	±2,0	±1,7	Purple	1	613-1789
8-channel	2 - 125	0,1	±2,0	±1,0	Yellow	1	613-1790
8-channel	5 - 250	0,5	±2,0	±0,7	Blue	1	613-1786
8-channel	15 - 1250	1,0	±1,5	±0,6	Green	1	613-1787
12-channel	0,5 - 12,5	0,05	±2,5	±2,0	Red	1	613-1947
12-channel	1,0 - 30	0,05	±2,0	±1,7	Purple	1	613-1795
12-channel	2 - 125	0,1	±2,0	±1,0	Yellow	1	613-1796

## Filter tips, Matrix®

### Thermo Scientific



#### Transparent PP with PE filter, sterile

- Sealing rings on tips ensure confident, leak-free seal on most pipettes
- Hydrophobic filter material ensures no particulates contaminate samples
- Extended tips allow access to the bottom of test tubes, reagent bottles, flasks and other vessels without touching the pipette barrel against the side of the tube

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Standard	10	+	10 racks, 96 each	960	732-1547
Standard	12,5	+	10 racks, 384 each	3840	732-1549
Extended	12,5	+	10 racks, 96 each	960	732-1537
Standard	30	+	10 racks, 96 each	960	732-1544
Standard	30	+	10 racks, 384 each	3840	732-1545
Standard	125	+	10 racks, 384 each	3840	732-1538
Standard	200	+	10 racks, 96 each	960	732-1542
Extended	200	+	10 racks, 96 each	960	732-1540
Standard	250	+	10 racks, 96 each	960	732-1536
Extended	250	+	10 racks, 96 each	960	732-1546
Standard	1250	+	10 racks, 96 each	10 Pack	732-1548
Extended	1250	+	10 racks, 96 each	960	732-1539

## Pipette tips, Matrix®

### Thermo Scientific



#### Transparent PP, sterile or non sterile

- Sealing rings on tips ensure confident, leak-free seal on most pipettes
- Tip manufacturing under tight QC specifications ensures low liquid retention without special treatments or additives
- Extended tips allow access to the bottom of test tubes, reagent bottles, flasks and other vessels without touching the pipette barrel against the side of the tube

**Packaging:** Available bulk, in Flo-Thru racks or in Ecotips refills. Flo-Thru racks individually support tips to prevent them from wobbling when trying to seat them on the pipette. Ecotips refill system is 100% recyclable and offers fast rack reloading in a unique, space-saving design.

Type	Capacity (µl)	Sterile	Packed	Pk	Cat. No.
Standard	10	-	Bulk	1000	613-1834
Standard	10	-	10 racks, 96 each	960	613-1835
Standard	12,5	-	10 racks, 384 each	3840	613-1852
Standard	12,5	+	10 racks, 384 each	3840	613-1851
Standard	20	-	Bulk	1000	613-1860
Standard	20	-	10 racks, 96 each	960	613-1858
Extended	30	-	Bulk	1000	732-1543
Extended	30	-	10 racks, 96 each	960	613-1855
Extended	30	+	10 racks, 96 each	960	613-1857
Standard	30	-	10 racks, 384 each	3840	613-1845
Standard	30	+	10 racks, 384 each	3840	613-1856
Standard	125	-	10 racks, 384 each	3840	613-1839
Standard	125	+	10 racks, 384 each	3840	613-1842
Standard	250	-	Bulk	1000	613-1833
Standard	250	-	10 racks, 96 each	960	613-1813
Standard	250	+	10 racks, 96 each	960	613-1838
Standard	250	-	10 racks, 96 each (Ecotips refill)	960	613-1854
Extended	250	-	Bulk	500	613-1848
Extended	250	-	10 racks, 96 each	960	613-1843
Extended	250	+	10 racks, 96 each	10 Pack	613-1847
Standard	300	-	Bulk	500	613-1840
Standard	300	-	10 racks, 96 each	960	613-1815
Standard	300	+	10 racks, 96 each	960	613-1816
Extended	300	-	Bulk	500	732-1541
Extended	300	-	10 racks, 96 each	960	613-1844
Extended	300	+	10 racks, 96 each	960	613-1849
Standard	1250	-	Bulk	500	613-1800
Standard	1250	-	10 racks, 96 each	960	613-1853
Standard	1250	-	10 racks, 96 each (Ecotips refill)	960	613-1837
Extended	1250	-	Bulk	500	613-1859
Extended	1250	-	10 racks, 96 each	720	613-1841
Extended	1250	+	10 racks, 96 each	10 Pack	613-1846
Extended	1250	-	10 racks, 96 each (Ecotips refill)	960	613-1996

## Single channel pipettes, mechanical, Reference®

Eppendorf



## Fixed or variable volume, autoclavable

- Recognised by TÜV Rhineland for being user friendly and user-tested
- Accurate and durable, with smooth piston movement
- One multifunctional button operates measuring stroke and blow-out as well as tip ejection, volume is automatically locked (variable volume pipettes)
- 4-digit display
- Stamp certifying conformance of calibration with the requirements of GLP



Fixed volume						
Capacity (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
1	±2,5	<1,8	20	Anthracite	1	613-3630
2	±2,0	<1,2	20	Anthracite	1	613-3631
5	±1,5	<0,8	20	Anthracite	1	613-3632
10	±1,0	<0,5	20	Anthracite	1	613-3633
10	±1,0	<0,5	200	Yellow	1	613-3634
20	±0,8	<0,3	200	Yellow	1	613-3635
25	±0,8	<0,3	200	Yellow	1	613-3638
50	±0,7	<0,3	200	Yellow	1	613-3636
100	±0,6	<0,2	200	Yellow	1	613-3637
200	±0,6	<0,2	1000	Blue	1	613-3639
250	±0,6	<0,2	1000	Blue	1	613-3642
500	±0,6	<0,2	1000	Blue	1	613-3640
1000	±0,6	<0,2	1000	Blue	1	613-3641
1500	±0,6	<0,2	1500	Red	1	613-3645
2000	±0,6	<0,2	2500	Red	1	613-3643
2500	±0,6	<0,2	2500	Red	1	613-3644

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
0,1 - 2,5	0,002	±12 - ±1,4	<6,0 - <0,7	10	Anthracite	1	613-3652
0,5 - 10	0,01	±2,5 - ±1,0	<1,8 - <0,4	10, 20	Anthracite	1	613-3646
2 - 20	0,02	±3,0 - ±0,8	<2,0 - <0,3	10, 20	Anthracite	1	613-3647
2 - 20	0,02	±5,0 - ±1,0	<1,5 - <0,3	200, 300	Yellow	1	613-3648
10 - 100	0,1	±3,0 - ±0,8	<0,7 - <0,15	200, 300	Yellow	1	613-3649
50 - 200	0,2	±1,0 - ±0,6	<0,3 - <0,2	200, 300	Yellow	1	613-3653
100 - 1000	1	±3,0 - ±0,6	<0,3 - <0,2	1000	Blue	1	613-3650
500 - 2500	2	±1,5 - ±0,6	<0,3 - <0,2	2500	Red	1	613-3651

epReference<sup>3</sup> packs

Eppendorf



The epReference<sup>3</sup> pack combines the Eppendorf Reference® pipette with epT.I.P.S. tips for convenient, highly accurate pipetting. Two packs are available:

- Option 1: 3x Eppendorf Reference® PhysioCare Concept pipettes (0,5 - 10 µl, 10 - 100 µl, 100 - 1000 µl); epT.I.P.S. tips in refillable boxes; 3 wall supports, 1 copy of operating instructions, 1 pipette pen
- Option 2: 3x Eppendorf Reference® PhysioCare Concept pipettes (2 - 20 µl, 50 - 200 µl, 100 - 1000 µl); epT.I.P.S. tips in refillable boxes; 3 wall supports, 1 copy of operating instructions, 1 pipette pen

**Ordering information:** Optional epT.I.P.S.® for epReference<sup>3</sup> packs available separately.

Description	Pk	Cat. No.
epReference <sup>3</sup> pack, option 1	1 Set	613-0075
epReference <sup>3</sup> pack, option 2	1 Set	613-0076

epT.I.P.S.® for epReference<sup>3</sup> packs

Description	Pk	Cat. No.
ep Dualfilter T.I.P.S.® LoRetention racks (PCR clean/sterile/non pyrogenic) for epReference <sup>3</sup> packs Option 1: 10 racks incl. 96x 0,1-10 µl short tip, 10 racks incl. 96x 2-100 µl tip, 10 racks incl. 96x 50-1000 µl tip	1 Kit	732-1469
ep Dualfilter T.I.P.S.® LoRetention racks (PCR clean/sterile/non pyrogenic) for epReference <sup>3</sup> packs Option 2: 10 racks incl. 96x 0,5-20 µl long tip, 10 racks incl. 96x 20-300 µl tip, 10 racks incl. 96x 50-1000 µl tip	1 Kit	732-1470
ep Dualfilter T.I.P.S.® LoRetention racks (PCR clean/sterile/non-pyrogenic) for epReference <sup>3</sup> packs Options 1 and 2: 10 racks incl. 96x 0,1-10 µl short tip, 10 racks incl. 96x 0,5-20 µl long tip, 10 racks incl. 96x 2-200 µl tip, 10 racks incl. 96x 50-1000 µl tip	1 Kit	732-1471

## Single channel pipettes, mechanical, Research® plus

Eppendorf



### Fixed or variable volume, fully autoclavable

Versatile, ergonomic pipette with innovative design, meeting the highest needs in precision and accuracy.

- Extremely lightweight (71 - 75 g)
- Innovative re-designed principle of piston-stroke pipetting - piston made of organic polymer Fortron® with great chemical, thermal and mechanical resistance
- Lowest aspirating, dispensing, blow-out and tip ejection forces
- Spring loaded retractable nose-cone to ensure tight seal and prolong nose-cone life
- 4-digit volume display for ease of use



Fixed volume						
Capacity (µl)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.	
10	±0,6	20	Anthracite	1	613-0871	
10	±0,6	200	Yellow	1	613-0872	
20	±0,3	20	Anthracite	1	613-0873	
20	±0,3	200	Yellow	1	613-0874	
25	±0,3	200	Yellow	1	613-0875	
50	±0,3	200	Yellow	1	613-0876	
100	±0,2	200	Yellow	1	613-0877	
200	±0,2	200	Yellow	1	613-0878	
200	±0,2	1000	Blue	1	613-0879	
250	±0,2	1000	Blue	1	613-0880	
500	±0,2	1000	Blue	1	613-0881	
1000	±0,2	1000	Blue	1	613-0882	

Variable volume							
Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
0,1 - 2,5	0,002	±48,0 - ±1,4	±12,0 - ±0,7	10	Anthracite	1	613-0861
0,5 - 10	0,01	±8,0 - ±1,0	±5,0 - ±0,4	20	Anthracite	1	613-0862
2 - 20	0,02	±5,0 - ±1,0	±1,5 - ±0,3	20	Anthracite	1	613-0869
2 - 20	0,02	±5,0 - ±1,0	±1,5 - ±0,3	200	Yellow	1	613-0863
10 - 100	0,1	±3,0 - ±0,8	±1,0 - ±0,2	200	Yellow	1	613-0864
20 - 200	0,2	±2,5 - ±0,6	±0,7 - ±0,2	200	Yellow	1	613-0865
30 - 300	0,2	±2,5 - ±0,6	±0,7 - ±0,2	300	Orange	1	613-0870
100 - 1000	1,0	±3,0 - ±0,6	±0,6 - ±0,2	1000	Blue	1	613-0866
500 - 5000	5,0	±2,4 - ±0,6	±0,6 - ±0,15	5000	Lilac	1	613-0867
1000 - 10000	10,0	±3,0 - ±0,6	±0,6 - ±0,15	10000	Turquoise	1	613-0868

### Accessories

Description	Pk	Cat. No.
Pipette carousel stand for 6 pipettes	1	612-1806

## Single channel pipette, mechanical, Biomaster® 4830 and Mastertip®

Eppendorf



### Variable volume, autoclavable

Positive displacement pipette, ideal for pipetting liquids with high vapour pressure or viscosity. This pipette prevents the transfer of any extraneous DNA during nucleic acid amplification manipulations. Cross-contamination of infectious, toxic, or radioactive samples is also precluded.

- The piston of the Mastertip® ensures the sample only enters the tip up to the sealing lip, eliminating aerosols that can cause contamination
- Tips can be loaded and ejected with one hand
- Lateral volume lock
- Resistant to UV radiation
- Mastertip® tips with integral piston, ready-to-use



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Pk	Cat. No.
1 - 20	0,02	±6,0 - ±2,5	<4,0 - <0,8	20 (Mastertip®)	1	612-7251

### Accessories

Description	Pk	Cat. No.
Mastertips®, 5 racks of 96 tips	480	612-7261

## Multichannel pipettes, mechanical, Research® plus Eppendorf



### Variable volume, fully autoclavable

Versatile, ergonomic pipette with innovative design, meeting the highest needs in precision and accuracy.

- Extremely lightweight
- Innovative re-designed principle of piston-stroke pipetting - piston made of organic polymer Fortron® with great chemical, thermal and mechanical resistance
- Lowest aspirating, dispensing, blow-out and tip ejection forces
- Spring loaded retractable nose-cone to ensure tight seal and prolong nose-cone life, as well as exact tip alignment
- Individual channel removal for quick and easy servicing



Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
<b>8-Channel</b>							
0,5 - 10	0,01	±12,0 - ±2,0	±8,0 - ±1,0	20	Anthracite	1	613-0883
10 - 100	0,1	±3,0 - ±0,8	±2,0 - ±0,3	200	Yellow	1	613-0885
30 - 300	0,2	±3,0 - ±0,6	±1,0 - ±0,3	300	Orange	1	613-0887
<b>12-Channel</b>							
0,5 - 10	0,01	±12,0 - ±2,0	±8,0 - ±1,0	20	Anthracite	1	613-0884
10 - 100	0,1	±3,0 - ±0,8	±2,0 - ±0,3	200	Yellow	1	613-0886
30 - 300	0,2	±3,0 - ±0,6	±1,0 - ±0,3	300	Orange	1	613-0888

## Single channel pipettes, electronic, Xplorer® Eppendorf



### Variable volume

The Xplorer® is a simple, precise electronic pipette specially designed for highly professional requirements.

- PhysioCare Concept® offering ergonomic design, flexible hand position, reduced weight, clear colour display
- Intuitive operation with multifunction selection dial, multi-language menu, help function, light and easy tip loading and ejection
- High reproducibility of measurement results
- Easy maintenance

**Ordering information:** Supplied with charger.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour code	Pk	Cat. No.
0,5 - 10	0,01	±1,0 - ±2,5	<0,4 - <1,8	20	Anthracite	1	613-1398
5 - 100	0,1	±0,8 - ±2,0	<0,2 - <1,0	200	Yellow	1	613-1399
15 - 300	0,1	±0,6 - ±2,5	<0,2 - <0,7	300	Orange	1	613-1400
50 - 1000	1,0	±0,6 - ±3,0	<0,2 - <0,6	1000	Blue	1	613-1407
250 - 5000	5,0	±0,6 - ±3,0	<0,15 - <0,6	5000	Pink	1	613-1408
500 - 10000	10,0	±0,6 - ±3,0	<0,15 - <0,6	10000	Turquoise	1	613-1409

### Accessories

Description	Pk	Cat. No.
Charging stand for 1 pipette	1	613-1449
Charging stand for 4 pipettes	1	613-1458



### Multichannel pipettes, electronic, Xplorer®

Eppendorf



8-Channel



12-Channel

#### Variable volume

The Xplorer® is a simple, precise electronic pipette specially designed for highly professional requirements.

- PhysioCare Concept® offering ergonomic design, flexible hand position, reduced weight, clear colour display
- Intuitive operation with multifunction selection dial, multi-language menu, help function, light and easy tip loading and ejection
- High reproducibility of measurement results
- Easy maintenance

**Ordering information:** Supplied with charger.

Capacity (µl)	Division (µl)	Accuracy (%)	Imprecision (%)	For pipette tips (µl)	Colour	Pk	Cat. No.
<b>8-Channel</b>							
0,5 - 10	0,01	±2,0 - ±5,0	<0,6 - <3,0	20	Anthracite	1	613-1410
5 - 100	0,10	±0,8 - ±2,0	<0,25 - <2,0	200	Yellow	1	613-1418
15 - 300	0,10	±0,6 - ±2,5	<0,25 - <1,0	300	Orange	1	613-1420
50 - 1200	1,00	±1,2 - ±6,0	<0,3 - <0,9	1250	Green	1	613-1427
<b>12-Channel</b>							
0,5 - 10	0,01	±2,0 - ±5,0	<0,6 - <3,0	20	Anthracite	1	613-1417
5 - 100	0,10	±0,8 - ±2,0	<0,25 - <2,0	200	Yellow	1	613-1419
15 - 300	0,10	±0,6 - ±2,5	<0,25 - <1,0	300	Orange	1	613-1426

#### Accessories

Description	Pk	Cat. No.
Charging stand for 1 pipette	1	613-1449
Charging stand for 4 pipettes	1	613-1458

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# Eppendorf pipettes/pipette tips combinations

Research plus	0,1-10 µL S	0,1-10 µL M	0,1-20 µL M	0,5-20 µL L	2-20 µL	2-100 µL	2-200 µL	2-200 µL	50-1000 µL	50-1250 µL	50-1250 µL L	500-2500 µL	100-5000 µL	1-10mL/1-10mL L	GEloader	Microloader
Color	dark gray	medium gray	medium gray	light gray	yellow	yellow	yellow	orange	blue	green	dark green	red	violet	turquoise	light gray	light gray
epT.I.P.S.	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
epT.I.P.S.® LoRetention	•			•			•		•			•		•		
ep Dualfilter T.I.P.S.®	•	•		•	•	•	•	•	•		•		•	•		
ep Dualfilter T.I.P.S. LoRetention	•			•		•		•	•							
<b>fixed volume, single channel</b>																
10 µL, medium gray	•	•	•	•												•
20 µL, light gray				•												•
10 µL, yellow					•	•	•									
20 µL, yellow					•	•	•									
25 µL, yellow						•	•	•								
50 µL, yellow						•	•	•								
100 µL, yellow						•	•	•								
200 µL, yellow,							•	•								
200 µL, blue									•	•	•					
250 µL, blue									•	•	•					
500 µL, blue									•	•	•					
1000 µL, blue									•	•	•					
<b>variable volume, single channel</b>																
0,1-2,5 µL, dark gray	•	•	•													
0,5-10 µL, medium gray	•	•	•	•												•
2-20 µL, light gray	• *1	• *1	•	•												•
2-20 µL, yellow					•	•	•	• *1								
10-100 µL, yellow					• *1	•	•	•								
20-200 µL, yellow					• *1	• *1	•	•								
30-300 µL, orange					• *1	• *1	• *1	•								
100-1000 µL, blue									•	•	•					
0,5-5 mL, violet													•			
1-10 mL, turquoise														•		
<b>variable volume, multi-channel</b>																
0,5-10 µL, medium gray, 8-channel	•	•	•	•												•
0,5-10 µL, medium gray, 12-channel	•	•	•	•												•
10-100 µL, yellow, 8-channel					• *1	•	•	•								
10-100 µL, yellow, 12-channel					• *1	•	•	•								
30-300 µL, orange, 8-channel					• *1	• *1	• *1	•								
30-300 µL, orange, 12-channel					• *1	• *1	• *1	•								

• = compatible

• \*1 = limited volume

Eppendorf Xplorer®	0,1-10 µL S	0,1-10 µL M	0,1-20 µL M	0,5-20 µL L	2-20 µL	2-100 µL	2-200 µL	2-200 µL	50-1000 µL	50-1250 µL	50-1250 µL L	500-2500 µL	100-5000 µL	1-10mL/1-10mL L	GEloader	Microloader
Color	dark gray	medium gray	medium gray	light gray	yellow	yellow	yellow	orange	blue	green	dark green	red	violet	turquoise	light gray	light gray
epT.I.P.S.	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
epT.I.P.S.® LoRetention	•			•			•		•			•		•		
ep Dualfilter T.I.P.S.®	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
ep Dualfilter T.I.P.S. LoRetention	•			•	•	•	•	•	•	•	•	•	•	•	•	•
<b>single channel</b>																
0,5-10 µL, medium gray	•	•	•	•												
5-100 µL, yellow					• *1	•	•	•								
15-300 µL, orange					• *1	• *1	• *1	•								
50-1000 µL, blue									•	•	•					
0,25-5 mL, violet													•			
0,5-10 mL, turquoise														•		
<b>multi-channel</b>																
0,5-10 µL, medium gray, 8-channel	•	•	•	•												
0,5-10 µL, medium gray, 12-channel	•	•	•	•												
5-100 µL, yellow, 8-channel					• *1	•	•	•								
5-100 µL, yellow, 12-channel					• *1	•	•	•								
15-300 µL, orange, 8-channel					• *1	• *1	• *1	•								
15-300 µL, orange, 12-channel					• *1	• *1	• *1	•								
50-1200 µL, green, 8-channel										•	•					

• = compatible

• \*1 = limited volume

# Eppendorf pipettes/pipette tips combinations

Reference®	0,1-10 µL S	0,1-10 µL M	0,1-20 µL M	0,5-20 µL L	2-20 µL	2-100 µL	2-200 µL	2-200 µL	50-1000 µL	50-1250 µL	50-1250 µL L	500-2500 µL	100-5000 µL	1-10mL/1-10mL L	GELoader	Microloader
Color	dark gray	medium gray	medium gray	light gray	yellow	yellow	yellow	orange	blue	green	dark green	red	violet	turquoise	light gray	light gray
epT.I.P.S.	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•
epT.I.P.S.® LoRetention	•			•					•							
ep Dualfilter T.I.P.S.®	•	•		•	•	•	•	•	•		•		•	•		
ep Dualfilter T.I.P.S. LoRetention	•			•		•		•								
<b>fixed volume, single channel</b>																
1 µL, medium gray	•	•	•	•											•	•
2 µL, medium gray	•	•	•	•					•						•	•
5 µL, medium gray	•	•	•	•					•						•	•
10 µL, medium gray	•	•	•	•					•						•	•
10 µL, yellow					•	•	•									
20 µL, yellow					•	•	•	•								
25 µL, yellow						•	•	•								
50 µL, yellow						•	•	•								
100 µL, yellow						•	•	•								
200 µL, blue									•	•	•					
250 µL, blue									•	•	•					
500 µL, blue									•	•	•					
1000 µL, blue									•	•	•					
1500 µL, red												•				
2000 µL, red												•				
2500 µL, red	•			•		•		•				•				
<b>variable volume, single channel</b>																
0,1-2,5 µL, dark gray	•	•	•													
0,5-10 µL, medium gray	•	•	•	•											•	•
2-20 µL, medium gray		• *1	•	•											•	•
2-20 µL, yellow					•	•	•									
10-100 µL, yellow					• *1	•	•	•								
50-200 µL, yellow					• *1	• *1	•	•								
50-250 µL, blue									•							
100-1000 µL, blue									•	•	•					
500-2500 µL, red												•				

• = compatible

• \*1 = limited volume

## Pipette tips, epT.I.P.S. standard Eppendorf



- High-quality tips
- Ergonomic design
- Cone with supple, flexible tip gives a better pipette tip seal

IVD

Colour: Transparent (except for yellow 2 - 200 µl tips and blue 50 - 1000 µl tips)

**Packaging:** Bulk in resealable bags.

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,1 - 10	-	Bulk	1000	613-3500
0,1 - 20	-	Bulk	1000	613-3501
0,5 - 20	-	Bulk	1000	613-3502
2 - 200	-	Bulk	1000	613-3503
20 - 300	-	Bulk	1000	613-3504
50 - 1000	-	Bulk	1000	613-3505
50 - 1250	-	Bulk	1000	613-3506
500 - 2500	-	Bulk	500	613-3507
100 - 5000	-	Bulk	500	613-3508
1000 - 10000	-	Bulk, 165 mm tips	200	613-4269
1000 - 10000	-	Bulk, 243 mm tips	200	613-4270

## Pipette tips, epT.I.P.S. reloads Eppendorf



A compact system for refilling epT.I.P.S. Available as one filled box of tips; a set comprising one box and five trays of tips; and reloads of ten tip trays. Components are 100% recyclable.

- Optimised system for multichannel pipettes
- Reloads available in a PCR clean version: Free of human DNA, DNase, RNase and PCR inhibitors

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>epT.I.P.S. reloads</b>				
0,1 - 10	-	10 racks, 96 each	960	613-3552
0,1 - 20	-	10 racks, 96 each	960	613-3553
0,5 - 20	-	10 racks, 96 each	960	613-3554
2 - 200	-	10 racks, 96 each	960	613-3555
20 - 300	-	10 racks, 96 each	960	613-3556
50 - 1000	-	10 racks, 96 each	960	613-3557
50 - 1250	-	10 racks, 96 each	960	613-3558
500 - 2500	-	10 racks, 48 each	480	613-3559
<b>epT.I.P.S. reloads PCR clean</b>				
0,1 - 10	-	10 racks, 96 each	960	613-3560
0,1 - 20	-	10 racks, 96 each	960	613-3561
0,5 - 20	-	10 racks, 96 each	960	613-3562
2 - 200	-	10 racks, 96 each	960	613-3563
20 - 300	-	10 racks, 96 each	960	613-3564
50 - 1000	-	10 racks, 96 each	960	613-3565
50 - 1250	-	10 racks, 96 each	960	613-3566
500 - 2500	-	10 racks, 48 each	480	613-3567
<b>epT.I.P.S. box</b>				
0,1 - 10	-	1 box incl. 96	96	613-3535
0,1 - 20	-	1 box incl. 96	96	613-3536
0,5 - 20	-	1 box incl. 96	96	613-3537
2 - 200	-	1 box incl. 96	96	613-3538
20 - 300	-	1 box incl. 96	96	613-3539
50 - 1000	-	1 box incl. 96	96	613-3540
50 - 1250	-	1 box incl. 96	96	613-3541
500 - 2500	-	1 box incl. 48	48	613-3542
100 - 5000	-	1 box incl. 24	24	613-3543
<b>epT.I.P.S. set</b>				

# Pipettes, Steppers and Tips

## Eppendorf Pipettips

epT.I.P.S. set				
0,1 - 10	-	1 box incl. 5 racks, 96 each	480	613-3544
0,1 - 20	-	1 box incl. 5 racks, 96 each	480	613-3545
0,5 - 20	-	1 box incl. 5 racks, 96 each	480	613-3546
2 - 200	-	1 box incl. 5 racks, 96 each	480	613-3547
20 - 300	-	1 box incl. 5 racks, 96 each	480	613-3548
50 - 1000	-	1 box incl. 5 racks, 96 each	480	613-3549
50 - 1250	-	1 box incl. 5 racks, 96 each	480	613-3550
500 - 2500	-	1 box incl. 5 racks, 48 each	1 Set	613-3551

## Pipette tips, epT.I.P.S. Biopur®

### Eppendorf



#### Sterile

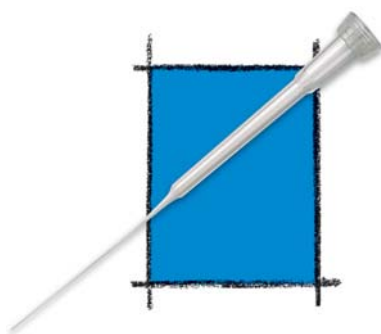
Tips free of DNA, DNase, RNase and pyrogens. Conform to the highest standards for use in medical and pharmaceutical environments, the agro-food industry, molecular and cellular biology.

- Available as epTIPS Singles (packaged individually) or as epTIPS Racks (boxes containing racks of 96, 48 or 24 tips depending on tip volume)

Capacity (µl)	Sterile	Packed	Pk	Cat. No.
<b>epT.I.P.S. Biopur® Singles</b>				
0,1 - 20	+	Individually wrapped	100	613-3509
2 - 200	+	Individually wrapped	100	613-3510
50 - 1000	+	Individually wrapped	100	613-3511
<b>epT.I.P.S. Biopur® Racks</b>				
0,1 - 20	+	5 racks, 96 each	480	613-3568
2 - 200	+	5 racks, 96 each	480	613-3569
20 - 300	+	5 racks, 96 each	480	613-3570
50 - 1000	+	5 racks, 96 each	480	613-3571
50 - 1250	+	5 racks, 96 each	480	613-3572
500 - 2500	+	5 racks, 48 each	240	613-3573
1000 - 10000	+	5 racks, 24 each	120	732-0095

## Pipette tips, GELoader®

### Eppendorf



- For applications such as gel electrophoresis

Length: 62 mm



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 20	-	2 racks, 96 each	192	612-7965

Filter tips, ep Dualfilter T.I.P.S.<sup>®</sup>

Eppendorf

**Sterile**

- Two-phase filter for ultimate aerosol protection: The white layer which faces the sample retains drops, splashes and aerosols; the blue layer above it forms a highly-effective double barrier, that reliably binds even biomolecules
- Characterised by defined flow dynamics, low wettability and high thermal stability
- Certified pyrogen-free and PCR clean (free from human DNA, DNase, RNase and PCR-inhibiting substances)



Capacity (µl)	Length (mm)	Sterile	Packed	Pk	Cat. No.
0,1 - 10 µl (S)	34	+	10 racks, 96 each	960	613-3680
0,1 - 10 µl (M)	40	+	10 racks, 96 each	960	613-3681
0,5 - 20 µl (L)	46	+	10 racks, 96 each	960	613-3682
2 - 20	53	+	10 racks, 96 each	960	613-3683
2 - 100	53	+	10 racks, 96 each	960	613-3684
2 - 200	55	+	10 racks, 96 each	960	613-3685
20 - 300	55	+	10 racks, 96 each	960	613-3686
50 - 1000	76	+	10 racks, 96 each	960	613-3687
100 - 5000	120	+	5 racks, 24 each	120	613-3688
1000 - 10000	143	+	Individually wrapped	100	613-3689

THE CHEMICAL BRAND  
FROM VWR INTERNATIONAL



Order your free copy online at <http://eu.vwr.com/chemical>

### Repetitive pipette, Stepper



The Stepper in combination with the VWR dispenser tips is a proven system solution for the complete set of dispensing volumes from 1 to 5000 µl.

- Lightweight (105 g) - suitable for long dispensing series
- Reliable device with low maintenance requirements achieved by robust design and construction with a minimum of wearing parts
- Ergonomic design and positioning of the dosage button in the upper part of the device for single-handed volume selection, loading and dispensing
- Possibility to choose between the highest precision or a maximum of repetitions of the desired dosage volume, according to the requirements of the application
- Tested for function and precision after manufacture - serial number is only attributed if the requirements of DIN EN ISO 86551 are met

One-year warranty

#### Chart of dosage volumes per tip-size (when used in a system with VWR dispenser tips)

Dispenser tips classic in VWR Stepper					
Adjustment dial	1	2	3	4	5
No. of steps	48	23	15	11	8
0,05 ml	1 µl	2 µl	3 µl	4 µl	5 µl
0,50 ml	10 µl	20 µl	30 µl	40 µl	50 µl
1,25 ml	25 µl	50 µl	75 µl	100 µl	125 µl
2,50 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5,00 ml	100 µl	200 µl	300 µl	400 µl	500 µl
12,50 ml	250 µl	500 µl	750 µl	1000 µl	1250 µl
25 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl
50 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl
Dispenser tips universal in VWR Stepper					
Adjustment dial	1	2	3	4	5
No. of steps	48	23	15	11	8
0,10 ml	2 µl	4 µl	6 µl	8 µl	10 µl
0,20 ml	4 µl	8 µl	12 µl	16 µl	20 µl
0,50 ml	10 µl	20 µl	30 µl	40 µl	50 µl
100 ml	20 µl	40 µl	60 µl	80 µl	1,00 µl
2,50 ml	50 µl	100 µl	150 µl	200 µl	250 µl
5,00 ml	100 µl	200 µl	300 µl	400 µl	500 µl
10,00 ml	200 µl	400 µl	600 µl	800 µl	1000 µl
25,00 ml	500 µl	1000 µl	1500 µl	2000 µl	2500 µl
50,00 ml	1000 µl	2000 µl	3000 µl	4000 µl	5000 µl

**Ordering information:** Supplied with an adapter for 25 ml and 50 ml dispenser tips.

Description	Pk	Cat. No.
VWR Stepper including adapter for 25 ml and 50 ml dispenser tips	1	613-0964

Starter Kit		
Description	Pk	Cat. No.
Stepper Starter Kit	1	613-1262

## Repetitive pipette, HandyStep® S

Brand



Ergonomic and durable repetitive pipette allowing quick and easy serial pipetting and, in conjunction with PD-Tips (ten different sizes from 0,1 µl to 50 ml), providing up to 49 repetitive dispensings from a single aspiration. Also compatible with Combitips®, Combitips® plus and other standard repetitive tips. The HandyStep® S works on the positive displacement principle, making it ideal for routine and research applications, as well as for difficult liquids (viscous, high density or high vapour pressure liquids).

IVD

- Easy tip mounting - tips are now simply inserted from below
- Eject key for contact-free, safe tip-ejection
- Superior handling (only three operating elements)
- Conformity certified, with serial number
- 59 different volumes with ten PD-Tip sizes

Pipette tip	Volume (µl)	Accuracy (%)		Imprecision (%)	
		2%	10%	2%	10%
PD-Tip 0,1 ml	2-10	±8,0	±1,6	<5,0	<2,0
PD-Tip 0,5 ml	10-50	±4,0	±0,8	<1,4	<0,6
PD-Tip 1,0 ml	20-100	±4,0	±0,8	<1,4	<0,6
PD-Tip 1,25 ml	25-125	±4,0	±0,8	<0,8	<0,3
PD-Tip 2,5 ml	50-250	±3,5	±0,7	<0,8	<0,2
PD-Tip 5,0 ml	100-500	±2,5	±0,5	<0,6	<0,2
PD-Tip 10,0 ml	200-1000	±1,5	±0,4	<0,5	<0,2
PD-Tip 12,5 ml	250-1250	±1,5	±0,3	<0,4	<0,2
PD-Tip 25,0 ml	500-2500	±1,5	±0,3	<0,4	<0,2
PD-Tip 50,0 ml	1000-5000	±1,5	±0,3	<0,4	<0,15

**Delivery information:** Supplied with performance certificate, operating manual, shelf/rack mount, three PD-Tips (0.1, 1 and 10 ml).

Description	Pk	Cat. No.
HandyStep® S	1	612-3858

### Accessories

Description	Pk	Cat. No.
Rack mount for HandyStep® S	1	613-1558

## Repetitive pipette, Varipette® 4720

Eppendorf



Pipette with continuously adjustable volume in increments of 10 µl, intended for accurate volumetric analysis up to 10 ml. It can be used for pipetting liquids with high vapour pressure or high viscosity. The Varipette® can be used with Varitip P or Varitip S tips for pipetting into different types of receptacles.

- Volume adjustable from 1 to 10 ml
- Selector button for displaying the setpoint volume on a digital dial
- Varitip P tips work on the principle of positive displacement, designed for pipetting volumes from 1 to 10 ml
- Varitip S consists of a volumetric syringe and a Maxitip tip, works on the air cushion principle, and is designed for pipetting volumes from 2,5 to 10 ml into tall and narrow-necked flasks

Pipette tip	Volume (ml)	Accuracy (%)	Imprecision (%)
Varitip S	2,5	±1,0	<0,2
	5	±0,4	<0,2
	10	±0,3	<0,2
Varitip P	1,0	±0,6	<0,2
	5	±0,5	<0,1
	10	±0,3	<0,1



# Pipettes, Steppers and Tips

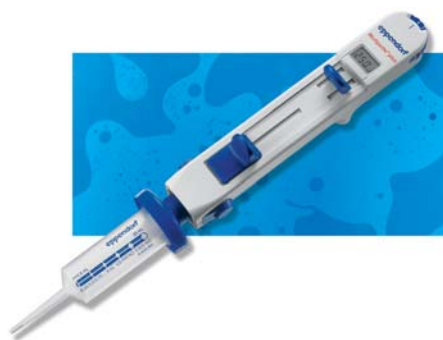
## Mechanical Steppers

Description	Pk	Cat. No.
Varipette® 4720	1	612-7310

Accessories		
Description	Pk	Cat. No.
Varitip P	100	612-7321
Barrels with pistons for Varitip S	30	612-7332
Maxitip for Varitip S	200	612-7333
Starter kit (100 Maxitips, 2 Maxitips G, 10 barrels with pistons, 10 valves)	1 Kit	612-7331
Multipette® plus/Varipette® adapter for wall mounting	1	612-1809

## Repetitive pipette, Multipette® plus Eppendorf



Manual dispenser, designed for maximum ease of use, precision and flexibility in terms of volume selection and replacement of the associated Combitip® plus tips. Combitip® plus tips work on the direct displacement principle, ensuring that the correct volume is dispensed every time, regardless of the density of the liquid or its flow properties. This principle also ensures safer conditions when working with radioactive, aggressive or toxic substances or liquids with higher vapour pressures.

- Simple volume adjustment from 1 µl to 10 ml
- Volume display with automatic recognition of the Combitip® plus tip
- Up to 100 dispensing cycles with one filling
- Capable of dispensing 112 different volumes
- The Combitip® can be detached by applying slight pressure, avoiding any contact with and contamination of the tip



Tip	Volume (µl)	Accuracy (%)	Imprecision (%)
Combitip® plus 0,1 ml	1-20	±1,6 - ±1,0	<3,0 - <2,0
Combitip® plus 0,2 ml	2-40	±1,3 - ±0,8	<2,0 - <1,5
Combitip® plus 0,5 ml	5-100	±0,9 - ±0,8	<1,5 - <0,6
Combitip® plus 1 ml	10-200	±0,9 - ±0,6	<0,9 - <0,4
Combitip® plus 2,5 ml	25-500	±0,8 - ±0,5	<0,8 - <0,3
Combitip® plus 5 ml	50-1000	±0,6 - ±0,5	<0,6 - <0,25
Combitip® plus 10 ml	100-2000	±0,5 - ±0,5	<0,6 - <0,25
Combitip® plus 25 ml	250-5000	±0,4 - ±0,3	<0,6 - <0,25
Combitip® plus 50 ml	500-10 000	±0,3 - ±0,3	<0,5 - <0,25

Description	Pk	Cat. No.
Multipette® plus	1	613-3669

Accessories		
Description	Pk	Cat. No.
Multipette® plus/Varipette® adapter for wall mounting	1	612-1809

## Repetitive pipette, Finnpiette® Stepper Thermo Scientific



Light, ergonomic, easy to use repeating pipette, comprising a main body equipped with a filling lever, a dispensing lever and a volume selection knob. It can be used to dispense the same volume of reagent up to 45 times from a single filling. The Finnpiette® Stepper works on the positive displacement principle, so it is ideal for dispensing aggressive, viscous or contaminating liquids. Uses only FinnTip® precision tips. Each tip size can be used for dispensing five different volumes.

- Seven FinnTip® tip sizes for a volume range from 10 to 5000 µl
- Five position volume selector
- Grip-Index handle enables long use without tiring
- Full table of volumes displayed on the handle
- An eight channel Multistep module can be adapted to the pipette directly



Pipette tip	Volume (ml)	Accuracy (%)	Imprecision (%)
FinnTip® 0,5 ml	0,01 - 0,05	±1,0 - ±1,0	≤1,0 - ≤0,6
FinnTip® 1,25 ml	0,025 - 0,125	±0,8 - ±0,8	≤0,8 - ≤0,5
FinnTip® 2,5 ml	0,05 - 0,25	±0,8 - ±0,8	≤0,7 - ≤0,3
FinnTip® 5,0 ml	0,1 - 0,5	±0,8 - ±0,8	≤0,5 - ≤0,2
FinnTip® 12,5 ml	0,25 - 1,25	±0,6 - ±0,6	≤0,4 - ≤0,2
FinnTip® 25 ml	0,5 - 2,5	±0,5 - ±0,5	≤0,5 - ≤0,3
FinnTip® 50 ml	1 - 5	±0,5 - ±0,5	≤0,5 - ≤0,3

Description	Pk	Cat. No.
Finnpiette® Stepper	1	612-6265

## Repetitive pipette, HandyStep® electronic Brand



HandyStep® electronic



Charging dock

IVD

The HandyStep® electronic manual dispenser is controlled by a microprocessor to enable dispensing of volumes in series without tiring the operator and with constant precision regardless of experimental conditions. It offers the following three functions: Dispensing, AUTO dispensing, and pipetting. In automatic mode the device performs three dispensing steps, calculates the time required to dispense the volume and dispenses the remaining liquid according to the same time. It is ergonomically designed to provide exceptional operating comfort. The HandyStep® electronic dispenser is powered by a rechargeable battery that can be replaced easily and recharged quickly. Finally, it is compatible with most commonly used dispensing tips (in particular Eppendorf Combitip® and Combitip® plus).

- Coding system for automatic recognition of the size of the PD-Tip used
- Variable volume adjustment from 1 µl to 50 ml
- LCD displays volume, operating mode, number of dispensing cycles, aspiration/dispensing speed, and the charge level of the NiMH rechargeable battery
- Three functions: Dispensing, AUTO dispensing and pipetting
- Simple, intuitive control of all functions via the MENU button

Tip	Volume (µl)	Accuracy (%)	Imprecision (%)
PD-Tip 0,1 ml	1-100	±16 - ±1,0	<12 - <0,5
PD-Tip 0,5 ml	5-500	±9 - ±0,9	<6 - <0,25
PD-Tip 1,0 ml	10-1000	±8 - ±0,6	<4 - <0,2
PD-Tip 1,25 ml	12,5-1250	±8 - ±0,6	<3,5 - <0,15
PD-Tip 2,5 ml	25-2500	±8 - ±0,5	<2,5 - <0,1
PD-Tip 5,0 ml	50-5000	±8 - ±0,5	<1,5 - <0,08
PD-Tip 10,0 ml	100-10 000	±5 - ±0,4	<1,25 - <0,08
PD-Tip 12,5 ml	125-12 500	±5 - ±0,4	<1,25 - <0,08
PD-Tip 25,0 ml	250-25 000	±3 - ±0,3	<1,25 - <0,08
PD-Tip 50,0 ml	500-50 000	±3 - ±0,3	<1,25 - <0,08

Description	Pk	Cat. No.
Each HandyStep® electronic is conformity certified and supplied with performance certificate, NiMH battery pack, charging dock and EU AC adapter. One each PD-Tip size 0.5 ml, 1.25 ml, 2.5 ml, 5 ml and 12.5 ml.	1	612-5670
Each HandyStep® electronic is conformity certified and supplied with performance certificate, NiMH battery pack, charging dock and UK AC adapter. One each PD-Tip size 0.5 ml, 1.25 ml, 2.5 ml, 5 ml and 12.5 ml.	1	613-0003

Accessories		
Description	Pk	Cat. No.
Charging dock without AC adapter	1	612-5671
NiMH battery pack	1	612-5672

### Repetitive pipette, electronic, eLINE® Lite / eLINE® Pro

Biohit



eLINE® Lite is designed for Multiple Dispensing mode with the Tip Guide, and it is quick and simple to operate.

eLINE® Pro offers, in addition to the basic Multiple Dispensing mode, a comprehensive range of liquid handling protocols with easy programming.

- Volume range from 1 µl to 50 ml
- TipGuide - automatic guide for correct tip selection
- Outstanding ergonomics; unique electronic feather light tip ejection
- Contamination-free dispensing with positive displacement principle
- Five speeds for aspiration and dispensing



Description	Pk	Cat. No.
eLine® Pro repetitive pipette	1	613-5086
eLine® Lite repetitive pipette	1	613-1125

Accessories		
Description	Pk	Cat. No.
Charging stand for 1 pipette, universal power adapter	1	613-4123

### Electronic dispensers, Multipette® stream / Multipette® Xstream

Eppendorf



Electronic, ergonomic manual dispensers, combining ease of use with a wide range of functions. The Multipette® stream is suitable for all standard applications, while the Multipette® Xstream is the ideal choice for tip applications such as titrations or aspirating supernatant liquors. They can be used with Combitip® plus tips to provide high-quality laboratory tools for any type of application. They work on the positive displacement principal, are ideal for solutions with high viscosity or elevated vapour pressure, and provide the capability of being recharged during operation.



- Dispensing volume adjustable from 1 µl to 50 ml
- Automatic detection of the Combitip® plus tip being used
- Automatic, fast dispensing with a motorised piston
- Tip ejection with the simple press of a button
- Additional features of the Multipette® Xstream: Aspiration of supernatant liquors, titration, and sequential dispensing

Tip	Volume (µl)	Accuracy (%)	Imprecision (%)
Combitip® plus 0,1 ml	1 - 100	±1,6 - ±1,0	<2,5 - <0,5
Combitip® plus 0,2 ml	2 - 200	±1,3 - ±1,0	<1,5 - <0,5
Combitip® plus 0,5 ml	5 - 500	±0,9 - ±0,9	<0,8 - <0,3
Combitip® plus 1 ml	10 - 1000	±0,9 - ±0,6	<0,5 - <0,2
Combitip® plus 2,5 ml	25 - 2500	±0,8 - ±0,5	<0,4 - <0,15
Combitip® plus 5 ml	50 - 5000	±0,8 - ±0,5	<0,3 - <0,15
Combitip® plus 10 ml	100 - 10000	±0,5 - ±0,4	<0,25 - <0,15
Combitip® plus 25 ml	250 - 25000	±0,3 - ±0,3	<0,25 - <0,15
Combitip® plus 50 ml	500 - 50000	±0,3 - ±0,3	<0,25 - <0,15

**Ordering information:** Multipette® stream and Multipette® Xstream are supplied with a charging adapter.

Description	Pk	Cat. No.
Multipette® stream incl. charging adapter	1	613-0617
Multipette® Xstream incl. charging adapter	1	613-0618



### Dispenser tips, classic



- Compatible with: Ritter® ripette® and ripette® pro, Eppendorf® Multipette® 4780, Brand® HandyStep® and HandyStep®electronic, Minilab 100/101, EasyStep, DISTRIMAN®
- Eight different tip sizes from 0,05 to 50 ml
- Sterile tips guaranteed free of DNA, DNase, RNase, ATP and pyrogens

Capacity (ml)	Sterile	Packed	Pk	Cat. No.
0,05	-	Bulk	100	613-1000
0,05	+	Individual blister	100	613-1008
0,50	-	Bulk	100	613-1001
0,50	+	Individual blister	100	613-1009
1,25	-	Bulk	100	613-1002
1,25	+	Individual blister	100	613-1010
2,50	-	Bulk	100	613-1003
2,50	+	Individual blister	100	613-1011
5,00	-	Bulk	100	613-1004
5,00	+	Individual blister	100	613-1012
12,50	-	Bulk	100	613-1005
12,50	+	Individual blister	100	613-1013
25,00	-	Bulk	25	613-1006
25,00	+	Individual blister	25	613-1014
50,00	-	Bulk	25	613-1007
50,00	+	Individual blister	25	613-1015

#### Accessories

Description	Pk	Cat. No.
Adapters for 25 and 50 ml tips	3	613-1034

### Dispenser tips, universal



- Compatible with: Ritter® ripette®, Eppendorf® Multipette® plus and Multipette® 4780, Brand® HandyStep® and HandyStep®electronic, STEPMATE (when these are used with the Multipette® plus, the display does not work)
- Nine different tip sizes from 0,1 to 50 ml
- Sterile tips guaranteed free from DNA, DNase, RNase, ATP and pyrogens

Capacity (ml)	Sterile	Packed	Pk	Cat. No.
0,1	-	Bulk	100	613-1016
0,1	+	Individual blister	100	613-1025
0,2	-	Bulk	100	613-1017
0,2	+	Individual blister	100	613-1026
0,5	-	Bulk	100	613-1018
0,5	+	Individual blister	100	613-1027
1,0	-	Bulk	100	613-1019
1,0	+	Individual blister	100	613-1028
2,5	-	Bulk	100	613-1020
2,5	+	Individual blister	100	613-1029
5,0	-	Bulk	100	613-1021
5,0	+	Individual blister	100	613-1030
10,0	-	Bulk	100	613-1022
10,0	+	Individual blister	100	613-1031
25,0	-	Bulk	25	613-1023
25,0	+	Individual blister	25	613-1032
50,0	-	Bulk	25	613-1024
50,0	+	Individual blister	25	613-1033

#### Accessories

Description	Pk	Cat. No.
Adapters for 25 and 50 ml tips	3	613-1034

### Dispenser tips, PD-Tips

Brand



IVD

#### PP cylinder, HDPE piston

- Direct displacement syringe tips
- Compatible with: Brand® HandyStep®/HandyStep® S/HandyStep® electronic, Rainin AutoRep™ M, Eppendorf® Multipette® 4780, EDOS® 5221
- Sterile BIO-CERT® PD-Tips are free from DNA, RNase, ATP and endotoxins

ISO 8655

**Ordering information:** 25 and 50 ml tips supplied with adapter. Available in non sterile or sterile/BIO-CERT® versions/free of endotoxins (packaged individually).

Capacity (ml)	Sterile	Packed	Pk	Cat. No.
<b>Non sterile</b>				
0,5 - 12,5*	-	Bulk	100	612-5808
0,1	-	Bulk	100	612-5821
0,5	-	Bulk	100	612-5801
1,25	-	Bulk	100	612-5802
2,5	-	Bulk	100	612-5803
5,0	-	Bulk	100	612-5804
12,5	-	Bulk	100	612-5805
25,0	-	Bulk	50	612-5806
50	-	Bulk	25	612-5807
<b>Sterile</b>				
0,1	+	Individually	100	612-5822
0,5	+	Individually	100	612-5811
1,25	+	Individually	100	612-5812
2,5	+	Individually	100	612-5813
5,0	+	Individually	100	612-5814
12,5	+	Individually	100	612-5815
25,0	+	Individually	25	612-5816
50	+	Individually	25	612-5817
<b>BIO-CERT®</b>				
0,1	+	Individually	100	613-3448
0,5	+	Individually	100	613-3449
1,0	+	Individually	100	613-1555
1,25	+	Individually	100	613-3450
2,5	+	Individually	100	613-3451
5,0	+	Individually	100	613-3452
10,0	+	Individually	100	613-1556
12,5	+	Individually	100	613-3453
25,0	+	Individually	25	613-3454
50	+	Individually	25	613-3455

\* Set (20×0,5 ml / 20×1,25 ml / 20×2,5 ml / 20×5 ml / 20×12,5 ml)

#### Accessories

Description	Pk	Cat. No.
Adapters for PD-Tips, non sterile	10	612-5809
Adapters for PD-Tips, sterile	5	612-5810

### Pipette tips, Finntip® Stepper

Thermo Scientific



Full range of positive displacement syringe tips designed for the Finnpipette® Stepper.

- Ergonomic design
- Seven syringe sizes covering a range of dispensing volumes from 10 µl to 50 ml
- Adapted for applications using aggressive and viscous liquids

Capacity (ml)	Sterile	Packed	Pk	Cat. No.
0,5	-	Bag	100	613-2634
0,5	+	Individually	50	613-2635
1,25	-	Bag	100	613-2636
1,25	+	Individually	50	613-2637
2,5	-	Bag	100	613-2638
2,5	+	Individually	50	613-2639
5,0	-	Bag	50	613-2640
5,0	+	Individually	25	613-2641
12,5	-	Bag	50	613-2642
12,5	+	Individually	25	613-2643
25	-	Bag	20	613-2644
25	+	Individually	10	613-2645
50	-	Bag	10	613-2646
50	+	Individually	10	613-2647

## Pipette tips, Finntip® PDP Thermo Scientific



### Autoclavable

- Capillary unit + positive displacement piston
- Recommended for PCR, DNA sequencing and all delicate pipetting tasks (viscous or foaming liquids, etc.)
- For use with Finnpipettes® PDP



Capacity (µl)	Sterile	Packed	Pk	Cat. No.
0,5 - 25	-	Bulk	960	613-2632
0,5 - 25	-	10 racks, 96 each	960	613-2630
20 - 200	-	Bulk	960	613-2633
20 - 200	-	10 racks, 96 each	960	613-2631

## Dispenser tips, Combitips® advanced Eppendorf



Combitips® advanced



Rack for Combitips®

For use with Multipipette®.

- Ergonomic design with unique funnel shape prevents damage to gloves and ensures comfortable handling
- Individually colour-coded for quick identification
- Elongated tips (for 2,5, 5 and 10 ml) allow complete emptying of all common tubes preventing sample loss

**Packaging:** Combitips® advanced and Combitips® advanced PCR Clean are supplied in dispenser box (100 Combitips® in 4 bags, PCR Clean with zip-lock bag); 25/50 ml Combitips® come in 25 pcs. per box (each containing an adapter).

Combitips® Biopur® are individually packed in single blister and additional plastic bag for clean-room use.

Capacity (ml)	Colour code	Sterile	Packed	Pk	Cat. No.
<b>Combitips® advanced</b>					
0,1	White	-	Bulk	100	613-2058
0,2	Light Blue	-	Bulk	100	613-2059
0,5	Violet	-	Bulk	100	613-2060
1	Yellow	-	Bulk	100	613-2061
2,5	Green	-	Bulk	100	613-2062
5	Blue	-	Bulk	100	613-2063
10	Orange	-	Bulk	100	613-2064
25	Red	-	4 boxes, 25 each	100	613-2065
50	Light Gray	-	4 boxes, 25 each	100	613-2066
<b>Combitips® advanced PCR Clean</b>					

# Pipettes, Steppers and Tips

## Stepper Tips

Combitips® advanced PCR Clean					
0,1	White	-	Bulk	100	613-2076
0,2	Light Blue	-	Bulk	100	613-2077
0,5	Violet	-	Bulk	100	613-2078
1	Yellow	-	Bulk	100	613-2079
2,5	Green	-	Bulk	100	613-2080
5	Blue	-	Bulk	100	613-2081
10	Orange	-	Bulk	100	613-2082
25	Red	-	4 boxes, 25 each	100	613-2083
50	Light Gray	-	4 boxes, 25 each	100	613-2084
Combitips® advanced Biopur®					
0,1	White	+	Individual blister	100	613-2067
0,2	Light Blue	+	Individual blister	100	613-2068
0,5	Violet	+	Individual blister	100	613-2069
1	Yellow	+	Individual blister	100	613-2070
2,5	Green	+	Individual blister	100	613-2071
5	Blue	+	Individual blister	100	613-2072
10	Orange	+	Individual blister	100	613-2073
25	Red	+	Individual blister	100	613-2074
50	Light Gray	+	Individual blister	100	613-2075

### Accessories

Description	Pk	Cat. No.
Adapter 25 ml for Combitips® advanced	1	613-2085
Adapter 50 ml for Combitips® advanced	1	613-2086
Adapter 25 ml for Combitips® advanced Biopur®	7	613-2087
Adapter 50 ml for Combitips® advanced Biopur®	7	613-2088
Rack for 8 Combitips® advanced	1	613-2089

## Aspirating aid, Combilong

### Eppendorf



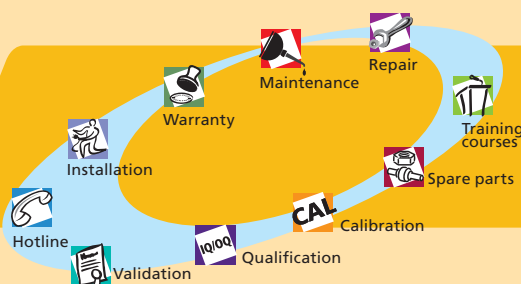
The Combilong is a reservoir with an aspiration tube attached which is placed in a flask and filled with the aid of a Multipipette®. It is then a simple task to collect the volume into a Combitip® and dispense.

- Designed for use with graduated flasks and tall bottles
- Compatible with 5, 25 and 50 ml capacity Combitips® plus

Description	Pk	Cat. No.
Combilong	2	613-4272

## INSTRUMENT SERVICE AND MAINTENANCE

Please contact your local VWR sales office for more information





Straw Pipettes

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Straw Pipettes



### Automatic straw pipette, SP100



#### Fixed volume, autoclavable

Air displacement pipette with two pre-calibrated steps allows subsequent pipetting of 1 and 0,1 mL of the same liquid. Ideal alternative to the graduated glass pipettes when performing serial 1:10 dilutions in bacteriology.

- Smooth activation, excellent ergonomics; easy maintenance, cleaning and disinfection
- Two pre-calibrated fixed volumes – no setting required
- Both volumes calibrated independently
- Interchangeable PE nozzle protection filter
- Justip™ system for height adjustment of tip ejector

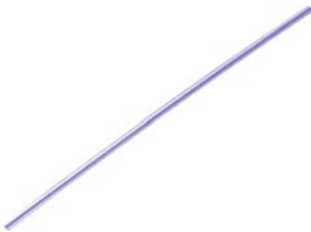
Capacity (ml)	Accuracy (%)	Imprecision (%)	Pk	Cat. No.
0,1 / 1	±2,0 / ±0,5	<2,5 / <0,4	1	710-1021

#### Accessories

Description	Pk	Cat. No.
Straw pipettes, PP, 1 ml, 190 mm, sterile, 25/pack	1000	612-1675



### Straw pipettes



#### PP, irradiated, disposable, sterile, without graduation

- Traceability including the expiry date on the secondary packaging
- Zip bag can be pressed closed thus ensuring the protection of the products
- Tamper-evident seal guarantees the sterility of the product when it is first opened

Capacity (ml)	Packed	Pk	Cat. No.
1	25 per bag	1000	612-1675
5	10 per bag	300	612-1676





Reservoirs

160

Reagent Reservoirs

### Reagent reservoirs



PS



PVC

Designed for use in multichannel pipetting applications, these disposable reservoirs accommodate all types of pipettes up to 12-channel width.

- Trough design, graduation marks on interior walls, and pour-off spouts on each corner
- Lot-certified, non pyrogenic, DNase- and RNase-free
- Non sterile or electron beam sterilised

**Ordering information:** 25 ml reservoirs also available in a unique divided format that features three distinct mini reservoir chambers, each with a 5 ml capacity; 50 ml reservoirs available in clear FDA grade PVC or virgin modified PS; all other sizes manufactured from virgin modified PS.

Type	Capacity (ml)	Sterile	Packed	Pk	Cat. No.
<b>25 ml</b>					
PS	25	+	5/bag, 40 bags/case	200	613-1174
PS	25	+	1/bag, 100/case	100	613-1175
PS	25	-	50/case	50	613-1176
PS, 3 divisions	25	-	100/case	100	613-1177
PS, 3 divisions	25	+	5/bag, 40 bags/case	200	613-1178
PS, 3 divisions	25	+	1/bag, 100/case	100	613-1179
<b>50 ml</b>					
White PS	50	+	1/bag, 100/case	100	613-1184
White PS	50	+	5/bag, 40 bags/case	200	613-1183
White PS	50	-	50/case	50	613-1180
Natural PS	50	+	5/bag, 40 bags/case	200	613-1181
Natural PS	50	+	1/bag, 100/case	100	613-1182
PVC	50	-	100/case	100	613-1185
PVC	50	+	1/bag, 100/case	100	613-1186
PVC	50	+	5/bag, 40 bags/case	200	613-1187
<b>100 ml</b>					
PS	100	+	5/bag, 40 bags/case	200	613-1171
PS	100	+	1/bag, 100/case	100	613-1172
PS	100	-	50/case	50	613-1173
<b>12x5 ml</b>					
PS, 12 separate reagent channels	12x5	+	Bulk	50	613-0100

### Reagent reservoirs, biodegradable

#### Biotix



#### BioX™ resin (eco-friendly biodegradable plastic), disposable

Biodegradable reservoir with high chemical resistance for use with a wide range of laboratory protocols.

- High accuracy pour spouts to prevent reagent waste
- RNase, DNase, pyrogen, endotoxin, nucleic acid and trace metal-free

**Packaging:** Biodegradable bag with serial number and bar-code traceability.

Type	Capacity (ml)	Packed	Sterile	Pk	Cat. No.
BioX™ resin	50	Individual	+	100	613-1189
BioX™ resin	50	5/bag	+	200	613-1190
BioX™ resin	50	Bulk	-	100	613-1188
BioX™ resin	100	Individual	+	100	613-1192
BioX™ resin	100	5/bag	+	200	613-1193
BioX™ resin	100	Bulk	-	100	613-1191

Reagent reservoirs, Tip-Tub  
Eppendorf



V bottom, autoclavable



Type	Capacity (ml)	Sterile	Pk	Cat. No.
V bottom	50 - 60	-	10	613-4271

Reagent reservoirs  
Corning



50 ml



100 ml



White PS, sterile, disposable

Type	Capacity (ml)	Sterile	Packed	Pk	Cat. No.
White PS	50	+	5/bag	200	732-5561
White PS	50	+	Individual	100	732-5562
White PS	100	+	5/bag	200	732-5563
White PS	100	+	Individual	100	734-1982

Reagent reservoirs, Transtar  
Corning



8-Channel



12-Channel



White PS, sterile, disposable

Type	Capacity	Sterile	Packed	Pk	Cat. No.
White PS, open	-	+	Bulk	100	734-1983
White PS, 8-channel	7 ml	+	Bulk	100	734-1985
White PS, 12-channel	5 ml	+	Bulk	100	734-1984

Reagent reservoirs  
Thermo Scientific



White PP, autoclavable

- V-bottom
- For 4, 8 or 12-channel pipettes



Type	Capacity (ml)	Sterile	Pk	Cat. No.
White PP, 1-well	60	-	5	613-2671
White PP, 1-well	125	-	10	612-6572
White PP, 8-well	8×10	-	10	613-2672



## **Page to Exchange with VWR Furniture Ad**

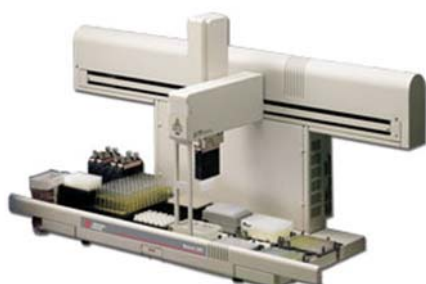


Universal

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Robotic Tips

## Beckman® Robots



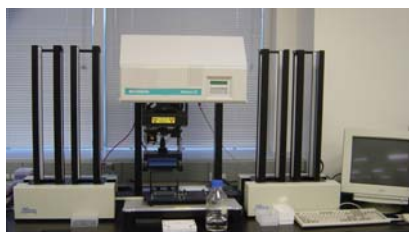
Biomek 1000



Biomek FX



Biomek NX



Multimek





## Robotic tips for Beckman® Biomek FX/NX 384

### Biotix

#### Transparent resin, sterile

- Tip specially designed with a fine end for high dispense precision
- Antimicrobial, anti-static rack cover protecting tips from airborne contamination and preventing static build-up
- Serial number on the racks



	Type	Capacity (µl)	Packed	Pk	Cat. No.
	BA-0030-3FC	30	10 racks, 384 each	3840	736-0415
	BA-0030-3SC	30	10 racks, 384 each	3840	736-0410
	BA-0051-3FC (Extended)	30	10 racks, 384 each	3840	736-0412
	BA-0051-3SC (Extended)	30	10 racks, 384 each	3840	736-0411


## Robotic tips for Beckman®, Axygen Corning








#### Transparent PP

Free of RNase, DNase, DNA and pyrogens.


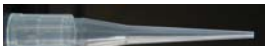
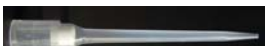


- Sterile tips: Sterilised by gamma radiation
- Filter tips: PE filter prevents any contamination of the pipette
- Maxymum Recovery™ tips: Ultra-smooth surface prevents retention, loss of components, and denaturation of the sample

\* Maxymum Recovery™

	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
<b>Biomek 1000/2000</b>								
	BT-20-R	20	-	-	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0427
	BT-20-L-R*	20	-	-	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0425
	BT-20-R-S	20	-	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0428
	BT-20-L-R-S*	20	-	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0426
	BTF-20-R-S	20	+	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0444
	BTF-20-L-R-S*	20	+	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0443



Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
<b>Biomek 1000/2000</b>							
 BT-50-R	50	-	-	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0437
BT-50-L-R*	50	-	-	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0435
BT-50-R-S	50	-	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0438
BT-50-L-R-S*	50	-	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0436
 BTF-50-R-S	50	+	+	P20 / MP20 / P200 / MP200	10 racks, 96 each	960	736-0446
 BTF-180-R-S	165	+	+	P200 / MP200	10 racks, 96 each	960	736-0442
BTF-180-L-R-S*	165	+	+	P200 / MP200	10 racks, 96 each	960	736-0441
 BT-250-R	250	-	-	P200 / MP200	10 racks, 96 each	960	736-0431
BT-250-L-R*	250	-	-	P200 / MP200	10 racks, 96 each	960	736-0429
BT-250-R-S	250	-	+	P200 / MP200	10 racks, 96 each	960	736-0432
BT-250-L-R-S*	250	-	+	P200 / MP200	10 racks, 96 each	960	736-0430
 BT-255-WB-R (Wide orifice)	250	-	-	P200 / MP200	10 racks, 96 each	960	736-0433
 BT-1000-R	1000	-	-	P1000	5 racks, 72 each	360	736-0423
 BTF-1000-R-S	1000	+	+	P1000	5 racks, 72 each	72	736-0439

**Biomek FX/NX / Multimek AP96**






Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
 FX-10-R	10	-	-	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0246
FX-10-R-S	10	-	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0247
FXF-10-R-S	10	+	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0248
FX-20-R	20	-	-	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0249
FX-20-L-R*	20	-	-	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0258
 FX-20-R-S	20	-	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0250
FX-20-L-R-S*	20	-	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0259
FXF-20-R-S	20	+	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0251
FXF-20-L-R-S*	20	+	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0260
 FXF-50-R-S	30	+	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0254
FXF-50-L-R-S*	30	+	+	AP-96 / SPAN-8 / MP20	10 racks, 96 each	960	736-0263
FX-50-R	50	-	-	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0252
 FX-50-L-R*	50	-	-	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0261
FX-50-R-S	50	-	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0253
FX-50-L-R-S*	50	-	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0262
FXF-180-R-S	165	+	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0257
 FXF-180-L-R-S*	165	+	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0266
FXF-165-WB-R-S (Wide bore)	165	+	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0269
FXF-200-R-S	200	+	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0460






### Biomek FX/NX / Multimek AP96

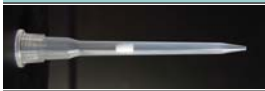


Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
 FX-250-R	250	-	-	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0255
FX-250-L-R*	250	-	-	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0264
FX-250-R-S	250	-	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0256
FX-250-L-R-S*	250	-	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0265
 FX-255-WB-R (Wide bore)	250	-	-	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0267
FX-255-WB-R-S (Wide bore)	250	-	+	AP-96 / SPAN-8 / MP200	10 racks, 96 each	960	736-0268

### Biomek FX/NX / Multimek AP384

Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
 FX-1536-30FP-R (Extended)	0,5 - 30	-	-	AP-384	10 racks, 384 each	3840	736-0458
FX-1536-30FP-R-S (Extended)	0,5 - 30	-	+	AP-384	10 racks, 384 each	3840	736-0753
 FX-384-R	0,5 - 30	-	-	AP-384	10 racks, 384 each	3840	736-0270
FX-384-R-S	0,5 - 30	-	+	AP-384	10 racks, 384 each	3840	736-0271
FXF-384-R-S	0,5 - 50	+	+	AP-384	10 racks, 384 each	3840	736-0272
 FX-384-XL-L-R* (Extended)	0,5 - 30	-	-	AP-384	10 racks, 384 each	3840	736-0279
FX-384-XL-L-R-S* (Extended)	0,5 - 30	-	+	AP-384	10 racks, 384 each	3840	736-0280
FXF-384-XL-L-R-S* (Extended)	0,5 - 30	+	+	AP-384	10 racks, 384 each	3840	736-0281
 FX-384-L-R*	0,5 - 30	-	-	AP-384	10 racks, 384 each	3840	736-0276
FX-384-L-R-S*	0,5 - 30	-	+	AP-384	10 racks, 384 each	3840	736-0277
FXF-384-L-R-S*	0,5 - 30	+	+	AP-384	10 racks, 384 each	3840	736-0278
 FX-384-XL-R (Extended)	0,5 - 50	-	-	AP-384	10 racks, 384 each	3840	736-0273
FX-384-XL-R-S (Extended)	0,5 - 50	-	+	AP-384	10 racks, 384 each	3840	736-0274
FXF-384-XL-L-R-S (Extended)	0,5 - 50	+	+	AP-384	10 racks, 384 each	3840	736-0275

### Biomek SPAN-8

Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
 SPN-20-CBK-R-S	20	-	+	SPAN-8	10 racks, 96 each	960	736-0323
SPN-20-CBK-R	20	-	-	SPAN-8	10 racks, 96 each	960	736-0322
SPN-F20-CBK-R-S	20	+	+	SPAN-8	10 racks, 96 each	960	736-0324
 SPN-F30-CBK-R-S	30	+	+	SPAN-8	10 racks, 96 each	960	736-0327
SPN-50-CBK-R	50	-	-	SPAN-8	10 racks, 96 each	960	736-0325
SPN-50-CBK-R-S	50	-	+	SPAN-8	10 racks, 96 each	960	736-0326
SPN-F180-CBK-R-S	180	+	+	SPAN-8	10 racks, 96 each	960	736-0330
 SPN-250-CBK-R	250	-	-	SPAN-8	10 racks, 96 each	960	736-0328
SPN-250-CBK-R-S	250	-	+	SPAN-8	10 racks, 96 each	960	736-0329

Multimek "Type II" / CCS-style head								
	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
	MTF-50-R-S	30	+	+	CCS P50	10 racks, 96 each	960	736-0284
	MTF-50-L-R-S*	30	+	+	CCS P50	10 racks, 96 each	960	736-0290
	MT-50-R	50	-	-	CCS P50	10 racks, 96 each	960	736-0282
	MT-50-L-R*	50	-	-	CCS P50	10 racks, 96 each	960	736-0288
	MT-50-R-S	50	-	+	CCS P50	10 racks, 96 each	960	736-0283
	MT-50-L-R-S*	50	-	+	CCS P50	10 racks, 96 each	960	736-0289
	MTF-200-L-R-S*	180	+	+	CCS P200	10 racks, 96 each	960	736-0293
	MT-200-R	200	-	-	CCS P200	10 racks, 96 each	960	736-0285
	MT-200-L-R*	200	-	-	CCS P200	10 racks, 96 each	960	736-0291
	MT-200-L-R-S*	200	-	+	CCS P200	10 racks, 96 each	960	736-0292

## Robotic tips for Beckman® Molecular BioProducts

### Transparent PP

High-quality tips tested on the workstations for which they were created to ensure compatibility and a secure fit. Certified free of RNase, DNase, DNA, RNA, pyrogens and ATP.

- Tips with ART® filters: Eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- "Low Retention" tips: Hydrophobic tips retaining less sample which decreases the amount of reagent loss while significantly increasing result reproducibility
- Sterile tips: Sterilised by gamma radiation

Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>Biomek 1000/2000</b>						
915-262	20	-	-	10 racks, 96 each	960	736-0077
915-262-05 (Low Retention)	20	-	-	10 racks, 96 each	960	736-0078
915-261	20	-	+	10 racks, 96 each	960	736-0075
915-261-05 (Low Retention)	20	-	+	10 racks, 96 each	960	736-0076
915-021	20	+	+	10 racks, 96 each	960	736-0015
915-021-05 (Low Retention)	20	+	+	10 racks, 96 each	960	736-0074
917-021	130	+	+	10 racks, 96 each	960	736-0016
917-021-05 (Low Retention)	130	+	+	10 racks, 96 each	960	736-0079
917-261-05 (Low Retention)	250	-	+	10 racks, 96 each	960	736-0081
917-262	200	-	-	10 racks, 96 each	960	736-0083
917-262-05 (Low Retention)	200	-	-	10 racks, 96 each	960	736-0084
917-261	200	-	+	10 racks, 96 each	960	736-0017
<b>Biomek FX/NX / Multimek AP96</b>						
912-021	8	+	+	10 racks, 96 each	960	736-0013
912-261	10	-	+	10 racks, 96 each	960	736-0070
912-262	10	-	-	10 racks, 96 each	960	736-0071
918-262	20	-	-	10 racks, 96 each	960	736-0090
918-262-05 (Low Retention)	20	-	-	10 racks, 96 each	960	736-0091
918-261	20	-	+	10 racks, 96 each	960	736-0020
918-261-05 (Low Retention)	20	-	+	10 racks, 96 each	960	736-0089
918-021	20	+	+	10 racks, 96 each	960	736-0019
918-021-05 (Low Retention)	20	+	+	10 racks, 96 each	960	736-0086
938-021	40	+	+	10 racks, 384 each	3840	736-0619
916-021	40	+	+	10 racks, 96 each	960	736-0616
938-262	50	-	-	10 racks, 384 each	3840	736-0621
916-262	50	-	-	10 racks, 96 each	960	736-0618
916-261	50	-	+	10 racks, 96 each	960	736-0617
938-261	50	-	+	10 racks, 384 each	3840	736-0620
919-021	130	+	+	10 racks, 96 each	960	736-0021
919-021-05 (Low Retention)	130	+	+	10 racks, 96 each	960	736-0093
919-021G (Genomic)	130	+	+	10 racks, 96 each	960	736-0094
919-262	250	-	-	10 racks, 96 each	960	736-0099
919-262-05 (Low Retention)	250	-	-	10 racks, 96 each	960	736-0100
919-262G (Genomic)	250	-	-	10 racks, 96 each	960	736-0101
919-261	250	-	+	10 racks, 96 each	960	736-0096
919-261-05 (Low Retention)	250	-	+	10 racks, 96 each	960	736-0097
919-261G (Genomic)	250	-	+	10 racks, 96 each	960	736-0098
<b>Biomek FX/NX / Multimek AP384</b>						
935-021	25	+	+	10 racks, 384 each	3840	737-2011
935-021-05 (Low Retention)	25	+	+	10 racks, 384 each	3840	736-0029
935-262	30	-	-	10 racks, 384 each	3840	737-2014
935-262-05 (Low Retention)	30	-	-	10 racks, 384 each	3840	737-2015
935-261	30	-	+	10 racks, 384 each	3840	737-2012

Biomek FX/NX / Multitek AP384						
935-261-05 (Low Retention)	30	-	+	10 racks, 384 each	3840	737-2013
Biomek SPAN-8						
918-252	20	-	-	10 racks, 96 each	960	736-0088
918-251	20	-	+	10 racks, 96 each	960	736-0087
918-011	20	+	+	10 racks, 96 each	960	736-0018
919-011	130	+	+	10 racks, 96 each	960	736-0092
919-252	200	-	-	10 racks, 96 each	960	736-0095
919-251	200	-	+	10 racks, 96 each	960	736-0022
Multitek 'Type II'						
3762	50*	-	-	10 racks, 96 each	960	736-0038
2760	50	+	+	10 racks, 96 each	960	736-0000
2760-05 (Low Retention)	50	+	+	10 racks, 96 each	960	736-0034
2790	175	+	+	10 racks, 96 each	960	736-0001
2790-05 (Low Retention)	175	+	+	10 racks, 96 each	960	736-0035

\* Requires adaptor 3772 only available directly from Molecular BioProducts

## Robotic tips for Beckman® Olympus

**Black PP (blackKnights), without filter, non sterile**

- Free of RNase, DNase, DNA and pyrogens

Type	Capacity (µl)	Filter	Colour	Sterile	Packed	Pk	Cat. No.
49004-0000	1000	-	Black	-	6 racks, 140 each	840	736-0662
49004-0001	1000	-	Black	-	Bulk	1400	736-0663

## PerkinElmer® Robots



## Robotic tips for PerkinElmer® Janus®, Evolution P3, MiniTrak & PlateTrak®, Axygen Corning

**Clear PP**

Free of RNase, DNase, DNA and pyrogens.

- Sterile tips: Sterilised by gamma radiation
- Filter tips: PE filter prevents any contamination of the pipette
- Maxymum Recovery™ tips: Ultra-smooth surface prevents retention, loss of components, and denaturation of the sample

\* Maxymum Recovery™







	Capacity		Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
	Type	(µl)						
	PK-20-R	20	-	-	MDT-96 P50	10 racks, 96 each	960	736-0294
	PK-20-R-S	20	-	+	MDT-96 P50	10 racks, 96 each	960	736-0295
	PK-20-L-R*	20	-	-	MDT-96 P50	10 racks, 96 each	960	736-0302
	PK-20-L-R-S*	20	-	+	MDT-96 P50	10 racks, 96 each	960	736-0303
	PKF-30-R-S	30	+	+	MDT-96 P50	10 racks, 96 each	960	736-0298
	PKF-30-L-R-S*	30	+	+	MDT-96 P50	10 racks, 96 each	960	736-0306
	PK-384-R	30	-	-	MDT-384-30 µl	10 racks, 384 each	3840	613-0968
	PK-50-R	50	-	-	MDT-96 P50	10 racks, 96 each	960	736-0296
	PK-50-R-S	50	-	+	MDT-96 P50	10 racks, 96 each	960	736-0297
	PK-50-L-R*	50	-	-	MDT-96 P50	10 racks, 96 each	960	736-0304
	PK-50-L-R-S*	50	-	+	MDT-96 P50	10 racks, 96 each	960	736-0305
	PK-200-R	200	-	-	MDT-96 P235	10 racks, 96 each	960	736-0299
	PK-200-R-S	200	-	+	MDT-96 P235	10 racks, 96 each	960	736-0300
	PK-200-L-R*	200	-	-	MDT-96 P235	10 racks, 96 each	960	736-0307
	PK-200-L-R-S*	200	-	+	MDT-96 P235	10 racks, 96 each	960	736-0308
	PKF-180-R-S	180	+	+	MDT-96 P235	10 racks, 96 each	960	736-0301
	PKF-180-L-R-S*	180	+	+	MDT-96 P235	10 racks, 96 each	960	736-0309

## Robotic tips for PerkinElmer® Janus (Roborack), Axygen Corning

Transparent or black PP, with or without filter, sterile or non sterile

- Black tips are conductive for liquid level sensing protocols
- Optimised fine-point for accurate dispensing
- Certified RNase, DNase and endotoxin-free

Rack insert colour: Blue (20 µl) / Green (50 µl) / Red (200 µl)





	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
<b>Transparent</b>								
	RRP-20-C-R	20	-	-	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0482
	RRP-20-C-R-S	20	-	+	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0541
	RRF-25-C-R-S	25	+	+	Variospan-1, 4, 8	10 racks, 96 each	960	736-0476
	RRP-50-C-R	50	-	-	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0484
	RRP-50-C-R-S	50	-	+	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0543
	RRF-175-C-R-S	175	+	+	Variospan-1, 4, 8 / P235	10 racks, 96 each	960	736-0474
	RRP-200-C-R	200	-	-	Variospan-1, 4, 8 / P235	50 racks, 96 each	4800	736-0479
	RRP-200-C-R-S	200	-	+	Variospan-1, 4, 8 / P235	50 racks, 96 each	4800	736-0540
<b>Transparent</b>								
	RRP-20-CBK-R	20	-	-	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0480
	RRP-20-CBK-R-S	20	-	+	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0481
	RRF-25-CBK-R-S	25	+	+	Variospan-1, 4, 8	10 racks, 96 each	960	736-0475
	RRP-50-CBK-R	50	-	-	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0483
	RRP-50-CBK-R-S	50	-	+	Variospan-1, 4, 8	50 racks, 96 each	4800	736-0542
	RRF-175-CBK-R-S	175	+	+	Variospan-1, 4, 8 / P235	10 racks, 96 each	960	736-0473
	RRP-200-CBK-R	200	-	-	Variospan-1, 4, 8 / P235	50 racks, 96 each	4800	736-0477
	RRP-200-CBK-R-S	200	-	+	Variospan-1, 4, 8 / P235	50 racks, 96 each	4800	736-0478

## Robotic tips for PerkinElmer® /Packard® (PlateTrak/MiniTrak and Evolution) Molecular BioProducts

Transparent PP

High-quality tips, especially intended for research in molecular biology laboratories. Certified free of RNase, DNase, DNA and pyrogens.

- Very low coefficient of variation
- Tips with ART® filters: Eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- Sterile tips: Sterilised by gamma radiation

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>CCS 96</b>							
	925-021	15	+	+	10 racks, 96 each	960	736-0025
	925-261	20	-	+	10 racks, 96 each	960	737-2003
	925-262	20	-	-	10 racks, 96 each	960	737-2004
	927-021	40	+	+	10 racks, 96 each	960	736-0026
	927-261	50	-	+	10 racks, 96 each	960	737-2005
	927-262	50	-	-	10 racks, 96 each	960	737-2006
	929-021	180	+	+	10 racks, 96 each	960	736-0027
	929-261	235	-	+	10 racks, 96 each	960	737-2007
	929-262	235	-	-	10 racks, 96 each	960	737-2008
<b>CCS 384</b>							
	931-021	25	+	+	10 racks, 384 each	3840	736-0028
	931-261	30	-	+	10 racks, 384 each	3840	737-2009
	931-262	30	-	-	10 racks, 384 each	3840	737-2010

## Zymark® /Caliper Robots









### Robotic tips for Zymark® /Caliper® (Zymark RapidPlate/Cyclone, Tecan TEMO, Aquarius and Genmate), Axygen Corning

#### Transparent PP

- Sterile tips: Sterilised by gamma radiation
- Filter tips: PE filter prevents any contamination of the pipette
- Free of RNase, DNase, DNA and pyrogens

\* Maxymum Recovery™

	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
	ZT-50-R	50	-	-	HV96	50 racks, 96 each	4800	613-1905
	ZT-50-R-S	50	-	+	HV96	50 racks, 96 each	4800	613-1906
	ZT-50-L-R*	50	-	-	HV96	50 racks, 96 each	4800	613-1903
	ZT-50-L-R-S*	50	-	+	HV96	50 racks, 96 each	4800	613-1904
	ZTF-50-R-S	50	+	+	HV96	50 racks, 96 each	4800	732-1555
	ZTF-50-L-R-S*	50	+	+	HV96	50 racks, 96 each	4800	732-1554
	ZT-100-R	100	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1666
	ZT-100-R-S	100	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1667
	ZT-100-L-R*	100	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1896
	ZT-100-L-R-S*	100	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1897
	ZTF-100-R-S	100	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1672
	ZTF-100-L-R-S*	100	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	732-1550
	ZT-200-R	200	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1668
	ZT-200-R-S	200	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1669
	ZT-200-L-R*	200	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1898
	ZT-200-L-R-S*	200	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1899
	ZTF-200-R-S	170	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1673
	ZTF-200-L-R-S*	170	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	732-1551

Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
ZT-205-WB-R (Wide bore)	200	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1670
ZT-205-WB-R-S (Wide bore)	200	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1671
ZT-205-WB-L-R* (Wide bore)	200	-	-	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1900
ZT-205-WB-L-R- S* (Wide bore)	200	-	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	613-1901
ZTF-205-WB-R- S (Wide bore)	170	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	732-1552
ZTF-205-WB-L- R-S* (Wide bore)	170	+	+	HV96 / CAS-4200-1ch.- 20-150 µl/sec.	50 racks, 96 each	4800	732-1553
ZT-384-C-R	25	-	-	LV96 / LV384	10 racks, 384 each	1	736-0552
ZT-384-C-R-S	25	-	+	LV96 / LV384	10 racks, 384 each	3840	736-0553

## Robotic tips for Zymark® (Presto, RapidPlate, SciClone) Molecular BioProducts

### Transparent PP

High-quality tips, especially intended for research in molecular biology laboratories. Certified free of RNase, DNase, DNA and pyrogens.

- Tips with ART® filters: Eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- Sterile tips: Sterilised by gamma radiation

Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
920-021	40	+	+	10 racks, 96 each	960	613-1886
920-261	50	-	+	10 racks, 96 each	960	613-1885
920-262	50	-	-	10 racks, 96 each	960	613-1865
921-021	80	+	+	10 racks, 96 each	960	736-0023
921-261	100	-	+	10 racks, 96 each	960	736-0102
921-262	100	-	-	10 racks, 96 each	960	737-2000
923-021	150	+	+	10 racks, 96 each	960	736-0024
923-261	200	-	+	10 racks, 96 each	960	737-2001
923-262	200	-	-	10 racks, 96 each	960	737-2002

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Tecan® Robots


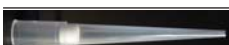




Robotic tips for Tecan®, Axygen  
Corning

PP, with or without filter, sterile or non sterile

- Black tips are conductive for liquid level sensing protocols
- Optimised fine-point for accurate dispensing
- Certified RNase, DNase and endotoxin free

	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
<b>Genesis Freedom®, Freedom Evo®, Miniprep with LiHa (Transparent)</b>								
	TT-20-C-HTR	20	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0964
	TT-20-C-HTR-S	20	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0965
	TTF-20-C-HTR-S	20	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0977
	TT-50-C-HTR	50	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0972
	TT-50-C-HTR-S	50	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0973
	TTF-50-C-HTR-S	50	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0981
	TT-200-C-HTR	200	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0968
	TT-200-C-HTR-S	200	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0969
	TTF-200-C-HTR-S	200	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0979
	TT-1000-C-HTR	1000	-	-	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0960
	TT-1000-C-HTR-S	1000	-	+	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0962
	TTF-1000-C-HTR-S	1000	+	+	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0976
<b>Genesis Freedom®, Freedom Evo®, Miniprep with LiHa (Black)</b>								
	TT-20-CBK-HTR	20	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0966
	TT-20-CBK-HTR36	20	-	-	LiHA-1, -4, -8	72 racks, 96 each (Cardboard Pack)	6912	736-0487
	TT-20-CBK-HTR-S	20	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0967
	TTF-20-CBK-HTR-S	20	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0978
	TT-50-CBK-HTR	50	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0974
	TT-50-CBK-HTR-S	50	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0975
	TTF-50-CBK-HTR-S	50	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0982
	TT-200-CBK-HTR	200	-	-	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0970
	TT-200-CBK-HTR-S	200	-	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0971
	TTF-200-CBK-HTR-S	200	+	+	LiHA-1, -4, -8	24 racks, 96 each	2304	732-0980
	TT-1000-CBK-HTR	1000	-	-	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0961
	TT-1000-CBK-HTR-S	1000	-	+	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0963
	TTF-1000-CBK-HTR-S	1000	+	+	LiHA-1, -4, -8	16 racks, 96 each	1536	732-0983
<b>Freedom Evo®, TeMo, Aquarius (Transparent)</b>								
	EV-50-R	50	-	-	MCA96	50 racks, 96 each	4800	736-0451
	EV-50-R-S	50	-	+	MCA96	50 racks, 96 each	4800	736-0452
	EVF-50-R-S	50	+	+	MCA96	50 racks, 96 each	4800	736-0455
	EV-100-R	100	-	-	MCA96	50 racks, 96 each	4800	736-0447
	EV-100-R-S	100	-	+	MCA96	50 racks, 96 each	4800	736-0448

Freedom Evo®, TeMo, Aquarius (Transparent)								
	EVF-100-R-S	100	+	+	MCA96	50 racks, 96 each	4800	736-0453
	EVF-180-R-S	180	+	+	MCA96	50 racks, 96 each	4800	736-0454
	EVF-205-WB-R-S (Wide bore)	180	+	+	MCA96	50 racks, 96 each	4800	736-0525
	EV-200-R	200	-	-	MCA96	50 racks, 96 each	4800	736-0449
	EV-200-R-S	200	-	+	MCA96	50 racks, 96 each	4800	736-0450
	EV-205-WB-R-S (Wide bore)	200	-	+	MCA96	50 racks, 96 each	4800	736-0524
	EV-205-WB-R (Wide bore)	200	-	-	MCA96	50 racks, 96 each	4800	736-0523

## Robotic tips for Tecan®











### Molecular BioProducts

#### Transparent or black PP




High-quality tips, especially intended for research in molecular biology laboratories. Certified free of RNase, DNase, DNA and pyrogens.

- Tips with ART® filters: eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- Sterile tips: sterilised by gamma radiation
- Wide aperture tips: designed for applications with more viscous samples

**Ordering information:** Available in boxes of 10 racks or 50 racks (Econopak).

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>Robotic Tips for Tecan®, Molecular BioProducts</b>							
	901-021	10	+	+	10 racks, 96 each	960	736-0005
	901-261	20	-	+	10 racks, 96 each	960	736-0006
	901-262	20	-	-	10 racks, 96 each	960	736-0045
	902-021	50	+	+	10 racks, 96 each	960	736-0007
	902-261	50	-	+	10 racks, 96 each	960	736-0008
	902-262	50	-	-	10 racks, 96 each	960	736-0050
	903-021	175	+	+	10 racks, 96 each	960	736-0009
	903-261	200	-	+	10 racks, 96 each	960	736-0010
	903-262	200	-	-	10 racks, 96 each	960	736-0058
	904-021	1000	+	+	10 racks, 96 each	960	736-0011
	904-261	1000	-	+	10 racks, 96 each	960	736-0012
	904-262	1000	-	-	10 racks, 96 each	960	736-0066
<b>Tecan® Genesis / MiniPrep (black)</b>							
	901-011	10	+	+	10 racks, 96 each	960	736-0041
	901-251	20	-	+	10 racks, 96 each	960	736-0042
	901-252	20	-	-	10 racks, 96 each	960	736-0043
	901-253	20	-	-	50 racks, 96 each (Econopak)	4800	736-0044
	902-011	50	+	+	10 racks, 96 each	960	736-0046
	902-251	50	-	+	10 racks, 96 each	960	736-0047
	902-252	50	-	-	10 racks, 96 each	960	736-0048
	902-253	50	-	-	50 racks, 96 each (Econopak)	4800	736-0049
	903-011	175	+	+	10 racks, 96 each	960	736-0051
	903-251	200	-	+	10 racks, 96 each	960	736-0053
	903-252	200	-	-	10 racks, 96 each	960	736-0055
	903-253	200	-	+	50 racks, 96 each (Econopak)	4800	736-0057
	903-011G (Wide bore)	175	+	+	10 racks, 96 each	960	736-0052
	903-251G (Wide bore)	200	-	+	10 racks, 96 each	960	736-0054
	903-252G (Wide bore)	200	-	-	10 racks, 96 each	960	736-0056
	904-011	1000	+	+	10 racks, 96 each	960	736-0059
	904-251	1000	-	+	10 racks, 96 each	960	736-0061
	904-252	1000	-	-	10 racks, 96 each	960	736-0063
	904-253	1000	-	-	50 racks, 96 each (Econopak)	4800	736-0065
	904-011G (Wide bore)	1000	+	+	10 racks, 96 each	960	736-0060
	904-251G (Wide bore)	1000	-	+	10 racks, 96 each	960	736-0062
	904-252G (Wide bore)	1000	-	-	10 racks, 96 each	960	736-0064
<b>Tecan® TeMo / Aquarius (transparent)</b>							











Tecan® TeMo / Aquarius (transparent)							
	906-021	50	+	+	10 racks, 96 each	960	732-1534
	906-261	50	-	+	50 racks, 96 each (Econopak)	4800	732-1533
	906-262	50	-	-	10 racks, 96 each	960	732-1532
	907-021	80	+	+	10 racks, 96 each	960	732-1535
	907-261	100	-	+	10 racks, 96 each	960	732-1528
	907-262	100	-	-	10 racks, 96 each	960	732-1531
	908-021	150	-	+	10 racks, 96 each	960	732-1529
	908-261	200	-	+	10 racks, 96 each	960	732-1527
	908-262	200	-	-	10 racks, 96 each	960	732-1530

## Robotic tips for Tecan®

Black PP (blackKnights) or clear PP (clearKnights), with or without filter, sterile or non sterile

• Free of RNase, DNase, DNA and pyrogens

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>blackKnights</b>							
	49005-0000	20	-	-	50 racks, 96 each	4800	736-0664
	49005-0001	20	-	-	Bulk	4800	736-0665
	49005-0003	20	-	-	16 racks of 96 (1/blister)	1536	736-0666
	49005-0004	20	-	-	80 racks, 96 each (5/blister)	7680	736-0667
	49005-1000	20	-	+	50 racks, 96 each	4800	736-0668
	49006-0000	50	-	-	50 racks, 96 each	4800	736-0669
	49006-0001	50	-	-	Bulk	4800	736-0670
	49006-0003	50	-	-	16 racks of 96 (1/blister)	1536	736-0671
	49006-0004	50	-	-	80 racks, 96 each (5/blister)	7680	736-0672
	49006-1002	50	-	+	50 racks, 96 each	4800	736-0673
	49006-1003	50	-	+	16 racks of 96 (1/blister)	1536	736-0674
	49006-1004	50	-	+	80 racks, 96 each (5/blister)	7680	736-0675
	49006-1102	50	+	+	50 racks, 96 each	4800	736-0676
	49006-1103	50	+	+	16 racks of 96 (1/blister)	1536	736-0677
	49006-1104	50	+	+	80 racks, 96 each (5/blister)	7680	736-0678
	49002-0000	200	-	-	50 racks, 96 each	4800	736-0642
	49002-0001	200	-	-	Bulk	4800	736-0643
	49002-0003	200	-	-	16 racks of 96 (1/blister)	1536	736-0644
	49002-0004	200	-	-	80 racks, 96 each (5/blister)	7680	736-0645
	49002-1002	200	-	+	50 racks, 96 each	4800	736-0646
	49002-1003	200	-	+	16 racks of 96 (1/blister)	1536	736-0647
	49002-1004	200	-	+	80 racks, 96 each (5/blister)	7680	736-0648
	49002-1102	200	+	+	50 racks, 96 each	4800	736-0649
	49002-1103	200	+	+	16 racks of 96 (1/blister)	1536	736-0650
	49002-1104	200	+	+	80 racks, 96 each (5/blister)	7680	736-0651
	49003-0000	1000	-	-	50 racks, 96 each	4800	736-0652
	49003-0001	1000	-	-	Bulk	4800	736-0653
	49003-0003	1000	-	-	16 racks of 96 (1/blister)	1536	736-0654
	49003-0004	1000	-	-	80 racks, 96 each (5/blister)	7680	736-0655
	49003-1002	1000	-	+	50 racks, 96 each	4800	736-0656
	49003-1003	1000	-	+	16 racks of 96 (1/blister)	1536	736-0657
	49003-1004	1000	-	+	80 racks, 96 each (5/blister)	7680	736-0658
	49003-1102	1000	+	+	50 racks, 96 each	4800	736-0659
	49003-1103	1000	+	+	16 racks of 96 (1/blister)	1536	736-0660
	49003-1104	1000	+	+	80 racks, 96 each (5/blister)	7680	736-0661
<b>clearKnights</b>							
	49105-0000	20	-	-	50 racks, 96 each	4800	736-0738
	49105-0001	20	-	-	Bulk	9600	736-0739
	49105-0003	20	-	-	16 racks of 96 (1/blister)	1536	736-0740
	49105-0004	20	-	-	80 racks, 96 each (5/blister)	7680	736-0741
	49105-1002	20	-	+	50 racks, 96 each	4800	736-0742
	49106-0000	50	-	-	50 racks, 96 each	4800	736-0743
	49106-0001	50	-	-	Bulk	9600	736-0744
	49106-0003	50	-	-	16 racks of 96 (1/blister)	1536	736-0745
	49106-0004	50	-	-	80 racks, 96 each (5/blister)	7680	736-0877
	49106-1002	50	-	+	50 racks, 96 each	4800	736-0878
	49106-1003	50	-	+	16 racks of 96 (1/blister)	1536	736-0879
	49106-1004	50	-	+	80 racks, 96 each (5/blister)	7680	736-0880
	49106-1102	50	+	+	50 racks, 96 each	4800	736-0881
	49106-1103	50	+	+	16 racks of 96 (1/blister)	1536	736-0882
	49106-1104	50	+	+	80 racks, 96 each (5/blister)	7680	736-0883

clearKnights							
	49102-0000	200	-	-	50 racks, 96 each	4800	736-0718
	49102-0001	200	-	-	Bulk	9600	736-0719
	49102-0003	200	-	-	16 racks of 96 (1/blister)	1536	736-0720
	49102-0004	200	-	-	80 racks, 96 each (5/blister)	7680	736-0721
	49102-1002	200	-	+	50 racks, 96 each	4800	736-0722
	49102-1003	200	-	+	16 racks of 96 (1/blister)	1536	736-0723
	49102-1004	200	-	+	80 racks, 96 each (5/blister)	7680	736-0724
	49102-1102	200	+	+	50 racks, 96 each	4800	736-0725
	49102-1103	200	+	+	16 racks of 96 (1/blister)	1536	736-0726
	49102-1104	200	+	+	80 racks, 96 each (5/blister)	7680	736-0727
	49103-0000	1000	-	-	50 racks, 96 each	4800	736-0728
	49103-0001	1000	-	-	Bulk	4800	736-0729
	49103-0003	1000	-	-	16 racks of 96 (1/blister)	1536	736-0730
	49103-0004	1000	-	-	80 racks, 96 each (5/blister)	7680	736-0731
	49103-1002	1000	-	+	50 racks, 96 each	4800	736-0732
	49103-1003	1000	-	+	16 racks of 96 (1/blister)	1536	736-0733
	49103-1004	1000	-	+	80 racks, 96 each (5/blister)	7680	736-0734
	49103-1102	1000	+	+	50 racks, 96 each	4800	736-0735
	49103-1103	1000	+	+	16 racks of 96 (1/blister)	1536	736-0736
	49103-1104	1000	+	+	80 racks, 96 each (5/blister)	7680	736-0737


## Robotic tips for FLIPR Liberty 384 (Type B)

### Biotix

#### Transparent resin, sterile

- Tip specially designed with a fine end for high dispense precision
- Antimicrobial, anti-static rack cover protecting tips from airborne contamination and preventing static build-up
- Serial number on the racks



	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	F-0030-3SC	30	-	+	10 racks, 384 each	3840	736-0414

## Robotic tips for FLIPR Liberty 384 (Type B), Axygen

### Corning

#### Transparent PP

- Sterile tips: Sterilised by gamma radiation
- Filter tips: PE filter prevents any contamination of the pipette
- Free of RNase, DNase, DNA and pyrogens

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	LT-384-R-S	30	-	+	10 racks, 384 each	3840	736-0320
	LT-384-R	30	-	-	10 racks, 384 each	3840	736-0319

## Robotic tips for FLIPR Liberty 384 (Type B)


### Molecular BioProducts

#### Transparent PP, autoclavable

High-quality tips, especially intended for research in molecular biology laboratories. Certified free of RNase, DNase, DNA and pyrogens.



- Very low coefficient of variation
- Tips with ART® filters: Eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- Sterile tips: Sterilised by gamma radiation

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	937-261	30	-	+	10 racks, 384 each	3840	737-2016
	937-262	30	-	-	10 racks, 384 each	3840	737-2017








## Qiagen® Robots



### Robotic tips for Qiagen®, Axygen Corning

Transparent or black PP, with or without filter, sterile or non sterile


- Black tips are conductive for liquid level sensing protocols
- Optimised fine-point for accurate dispensing
- Certified RNase, DNase and endotoxin-free




	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
<b>BioRobot®</b>								
	QT-300-R	300	-	-	Biorobot®	24 racks, 96 each	2304	736-0534
	QT-300-R-S	300	-	+	Biorobot®	24 racks, 96 each	2304	736-0535
	QT-300-CBK-R	300	-	-	Biorobot®	16 racks, 96 each	1536	736-0532
	QT-300-CBK-R-S	300	-	+	Biorobot®	16 racks, 96 each	1536	736-0533
	QTF-300-R-S	250	+	+	Biorobot®	24 racks, 96 each	2304	736-0539
	QTF-300-CBK-R-S	250	+	+	Biorobot®	50 racks, 96 each	4800	736-0538
	QT-1100-R	1100	-	-	Biorobot®	16 racks, 96 each	1536	736-0530
	QT-1100-R-S	1100	-	+	Biorobot®	16 racks, 96 each	1536	736-0531
	QT-1100-CBK-R	1100	-	-	Biorobot®	24 racks, 96 each	2304	736-0528
	QT-1100-CBK-R-S	1100	-	+	Biorobot®	24 racks, 96 each	2304	736-0529
	QTF-1100-R-S	1000	+	+	Biorobot®	50 racks, 96 each	4800	736-0537
	QTF-1100-CBK-R-S	1000	+	+	Biorobot®	50 racks, 96 each	4800	736-0536
<b>Corbett®</b>								
	CTF-199-R-S	200	+	+	Corbett®	50 racks, 96 each	4800	736-0522

### Robotic tips for Qiagen® BioRobot®

Black PP (blackKnights) or clear PP (clearKnights), with or without filter, sterile or non sterile

- Free of RNase, DNase, DNA and pyrogens

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>blackKnights</b>							
	49000-0000	300	-	-	50 racks, 96 each	4800	736-0622
	49000-0001	300	-	-	Bulk	4800	736-0623
	49000-0003	300	-	-	16 racks of 96 (1/blister)	1536	736-0624
	49000-0004	300	-	-	80 racks, 96 each (5/blister)	7680	736-0625
	49000-1002	300	-	+	50 racks, 96 each	4800	736-0626
	49000-1003	300	-	+	16 racks of 96 (1/blister)	1536	736-0627
	49000-1004	300	-	+	80 racks, 96 each (5/blister)	7680	736-0628
	49000-1102	300	+	+	50 racks, 96 each	4800	736-0629
	49000-1103	300	-	+	16 racks of 96 (1/blister)	1536	736-0630
	49000-1104	300	+	+	80 racks, 96 each (5/blister)	7680	736-0631

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>blackKnights</b>							
	49001-0000	1100	-	-	50 racks, 96 each	4800	736-0632
	49001-0001	1100	-	-	Bulk	4800	736-0633
	49001-0003	1100	-	-	16 racks of 96 (1/blister)	1536	736-0634
	49001-0004	1100	-	-	80 racks, 96 each (5/blister)	7680	736-0635
	49001-1002	1100	-	+	50 racks, 96 each	4800	736-0636
	49001-1003	1100	-	+	16 racks of 96 (1/blister)	1536	736-0637
	49001-1004	1100	-	+	80 racks, 96 each (5/blister)	7680	736-0638
	49001-1102	1100	+	+	50 racks, 96 each	4800	736-0639
	49001-1103	1100	+	+	16 racks of 96 (1/blister)	1536	736-0640
	49001-1104	1100	+	+	80 racks, 96 each (5/blister)	7680	736-0641
<b>clearKnights</b>							
	49100-0000	300	-	-	50 racks, 96 each	4800	736-0698
	49100-0001	300	-	-	Bulk	9600	736-0699
	49100-0003	300	-	-	16 racks of 96 (1/blister)	1536	736-0700
	49100-0004	300	-	-	80 racks, 96 each (5/blister)	7680	736-0701
	49100-1002	300	-	+	50 racks, 96 each	4800	736-0702
	49100-1003	300	-	+	16 racks of 96 (1/blister)	1536	736-0703
	49100-1004	300	-	+	80 racks, 96 each (5/blister)	7680	736-0704
	49100-1102	300	+	+	50 racks, 96 each	4800	736-0705
	49100-1103	300	-	+	16 racks of 96 (1/blister)	1536	736-0706
	49100-1104	300	+	+	80 racks, 96 each (5/blister)	7680	736-0707
	49101-0000	1100	-	-	50 racks, 96 each	4800	736-0708
	49101-0001	1100	-	-	Bulk	4800	736-0709
	49101-0003	1100	-	-	10 racks of 96 (1/blister)	960	736-0710
	49101-0004	1100	-	-	50 racks, 96 each (5/blister)	4800	736-0711
	49101-1002	1100	-	+	50 racks, 96 each	4800	736-0712
	49101-1003	1100	-	+	10 racks of 96 (1/blister)	960	736-0713
	49101-1004	1100	-	+	50 racks, 96 each (5/blister)	4800	736-0714
	49101-1102	1100	+	+	50 racks, 96 each	4800	736-0715
	49101-1103	1100	+	+	10 racks of 96 (1/blister)	960	736-0716
	49101-1104	1100	+	+	50 racks, 96 each (5/blister)	4800	736-0717

## Robotic tips for Qiagen® BioRobot® (3000/8000/9600/9604, Rosys, Colibri)





### Molecular BioProducts

#### Transparent or black PP

High-quality tips tested on the actual workstations for which they were created to ensure compatibility and a secure fit. Certified free of RNase, DNase, DNA, RNA, pyrogens and ATP.

- Tips with ART® filters: Eliminate any risk of cross-contamination between samples; designed for applications with DNA, RNA as well as radioactive and infectious samples
- Sterile tips: Sterilised by gamma radiation

**Ordering information:** Available in boxes of 10 racks or 50 racks (Econopak).

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
<b>Black tips</b>							
	951-011	250	+	+	10 racks, 96 each	960	736-0031
	951-251	300	-	+	10 racks, 96 each	960	737-2020
	951-252	300	-	-	10 racks, 96 each	960	737-2022
	951-253	300	-	-	50 racks, 96 each, Econopak	4800	737-2024
	953-011	1000	+	+	10 racks, 96 each	960	736-0032
	953-251	1100	-	+	10 racks, 96 each	960	737-2028
	953-252	1100	-	-	10 racks, 96 each	960	737-2030
	953-253	1100	-	-	50 racks, 96 each, Econopak	4800	737-2032
<b>Transparent tips</b>							
	951-021	250	+	+	10 racks, 96 each	960	737-2019
	951-261	300	-	+	10 racks, 96 each	960	737-2025
	951-262	300	-	-	10 racks, 96 each	960	737-2026
	953-021	1000	+	+	10 racks, 96 each	960	736-0033
	953-261	1100	-	+	10 racks, 96 each	960	737-2033
	953-262	1100	-	-	10 racks, 96 each	960	737-2034

## Hamilton® Robots



### Robotic tips for Hamilton® (Microlab® Star Line)

**Black PP (blackKnights), with or without filter, sterile or non sterile**

• Free of RNase, DNase, DNA and pyrogens

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	49011-0004	10	-	-	80 racks, 96 each (5/blister)	7680	736-0824
	49011-0005	10	-	-	120 racks, 96 each (stacked)	11520	736-0825
	49011-0104	10	+	-	80 racks, 96 each (5/blister)	7680	736-0826
	49011-1004	10	-	+	80 racks, 96 each (5/blister)	7680	736-0696
	49011-1104	10	+	+	80 racks, 96 each (5/blister)	7680	736-0697
	49010-0004	50	-	-	80 racks, 96 each (5/blister)	7680	736-0819
	49010-0005	50	-	-	120 racks, 96 each (stacked)	11520	736-0820
	49010-0104	50	+	-	80 racks, 96 each (5/blister)	7680	736-0821
	49010-1004	50	-	+	80 racks, 96 each (5/blister)	7680	736-0822
	49010-1104	50	+	+	80 racks, 96 each (5/blister)	7680	736-0823
	49008-0004	300	-	-	80 racks, 96 each (5/blister)	7680	736-0679
	49008-0005	300	-	-	120 racks, 96 each (stacked)	11520	736-0680
	49008-0104	300	+	-	80 racks, 96 each (5/blister)	7680	736-0681
	49008-1004	300	-	+	80 racks, 96 each (5/blister)	7680	736-0813
	49008-1104	300	+	+	80 racks, 96 each (5/blister)	7680	736-0814
	49009-0004	1000	-	-	50 racks, 96 each (5/blister)	4800	736-0815
	49009-0104	1000	+	-	50 racks, 96 each (5/blister)	4800	736-0816
	49009-1004	1000	-	+	50 racks, 96 each (5/blister)	4800	736-0817
	49009-1104	1000	+	+	50 racks, 96 each (5/blister)	4800	736-0818

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## Agilent®/Velocity® Robots




### Robotic tips for Agilent/Velocity11® VPrep® and Bravo

#### Biotix

##### Transparent resin, sterile

- Tip specially designed with a fine end for high dispense precision
- Antimicrobial, anti-static rack cover protecting tips from airborne contamination and preventing static build-up
- Serial number on the racks



	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	VB-0030-3SC	30	-	+	10 racks, 384 each	3840	736-0409

### Robotic tips for Agilent/Velocity11® VPrep® and Bravo, Axygen






#### Corning



##### Transparent PP

Free of RNase, DNase, DNA and pyrogens.

- Sterile tips: Sterilised by gamma radiation
- Filter tips: PE filter prevents any contamination of the pipette
- Maxymum Recovery™ tips: Ultra-smooth surface prevents retention, loss of components, and denaturation of the sample

\* Maxymum Recovery™

	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
	VT-384-5UL-R	5	-	-	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0503
	VT-384-5UL-R-S	5	-	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0504
	VT-384-10UL-R	10	-	-	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0498
	VT-384-10UL-R-S-LAB	10	-	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0499
	VTF-384-15UL-R-S	15	+	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0550
	VT-384-31UL-R-S	30	-	-	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0501
	VT-384-31UL-R-S	30	-	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0502
	VTF-384-50UL-R-S	50	+	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0551
	VT-20-R-LAB	60	-	-	96LT / 8LT	10 racks, 96 each (SBS)	960	736-0493
	VT-20-R-LAB-S	20	-	+	96LT / 8LT	50 racks, 96 each (SBS)	4800	736-0544
	VT-20-R	60	-	-	96LT / 8LT	10 racks, 96 each	960	736-0492
	VT-20-R-S	60	-	+	96LT / 8LT	50 racks, 96 each	4800	736-0545
	VT-384-70UL-R	70	-	-	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0505
	VT-384-70UL-R-S	70	-	+	384ST / 96ST / 16ST	10 racks, 384 each	3840	736-0506

	Type	Capacity (µl)	Filter	Sterile	Compatible head	Packed	Pk	Cat. No.
	VTF-165-R-LAB-S	165	+	+	96LT / 8LT	50 racks, 96 each (SBS)	4800	613-1910
	VTF-165-R-S	165	+	+	96LT / 8LT	50 racks, 96 each	4800	613-1911
	VT-250-R	250	-	-	96LT / 8LT	10 racks, 96 each	960	736-0494
	VT-250-L-R-LAB*	250	-	-	96LT / 8LT	50 racks, 96 each (SBS)	4800	613-1909
	VT-250-R-LAB	250	-	-	96LT / 8LT	10 racks, 96 each (SBS)	960	736-0495
	VT-250-L-R*	250	-	-	96LT / 8LT	50 racks, 96 each	4800	613-1908
	VT-250-R-S	250	-	+	96LT / 8LT	10 racks, 96 each	960	736-0497

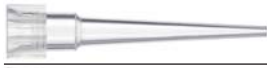



## Robotic Tips for Agilent/Velocity11® VPrep® and Bravo

### Molecular BioProducts

#### Transparent PP, sterile or non sterile

High-quality tips tested on the workstations for which they were created to ensure compatibility and a secure fit. Certified free of RNase, DNase, DNA, RNA, pyrogens and ATP.

- Low percentage Coefficient of Variation (% CV)
- Sterile tips: Sterilised by gamma radiation

	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	946-261	10	-	+	10 racks, 384 each	3840	613-1888
	946-262	10	-	-	10 racks, 384 each	3840	613-1889
	947-261	30	-	+	10 racks, 384 each	3840	613-1890
	947-262	30	-	-	10 racks, 384 each	3840	613-1891
	948-261	50	-	+	10 racks, 384 each	3840	613-1892
	948-262	50	-	-	10 racks, 384 each	3840	613-1893
	949-261	70	-	+	10 racks, 384 each	3840	613-1894
	949-262	70	-	-	10 racks, 384 each	3840	613-1895

## Biotek® Robots



### Robotic tips for Biotek® Precision/Precision XS Molecular BioProducts

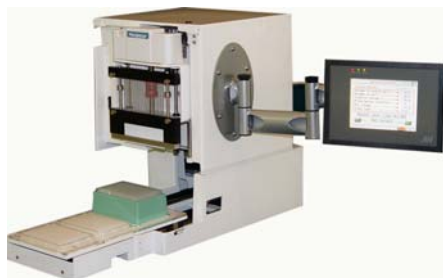
#### Transparent PP

High-quality tips tested on the workstations for which they were created to ensure compatibility and a secure fit. Certified free of RNase, DNase, DNA, RNA, pyrogens and ATP.

- Low percentage Coefficient of Variation (% CV)
- Sterilised by gamma radiation

Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
986-021	150	+	+	10 racks, 96 each	960	613-1887
986-261	200	-	+	10 racks, 96 each	960	613-1989

## ProGroup Wellpro Robots





### Robotic tips for ProGroup Wellpro-96, Axygen Corning

#### Transparent PP, sterile

- Free of RNase, DNase, DNA and pyrogens
- Sterilised by gamma radiation



	Type	Capacity (µl)	Filter	Sterile	Packed	Pk	Cat. No.
	TWP-200-R	200	-	-	10 racks, 96 each	960	736-0489
	TWP-200-R-S	200	-	+	10 racks, 96 each	960	736-0490
	TWPF-120-R-S	120	+	+	10 racks, 96 each	960	736-0491





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