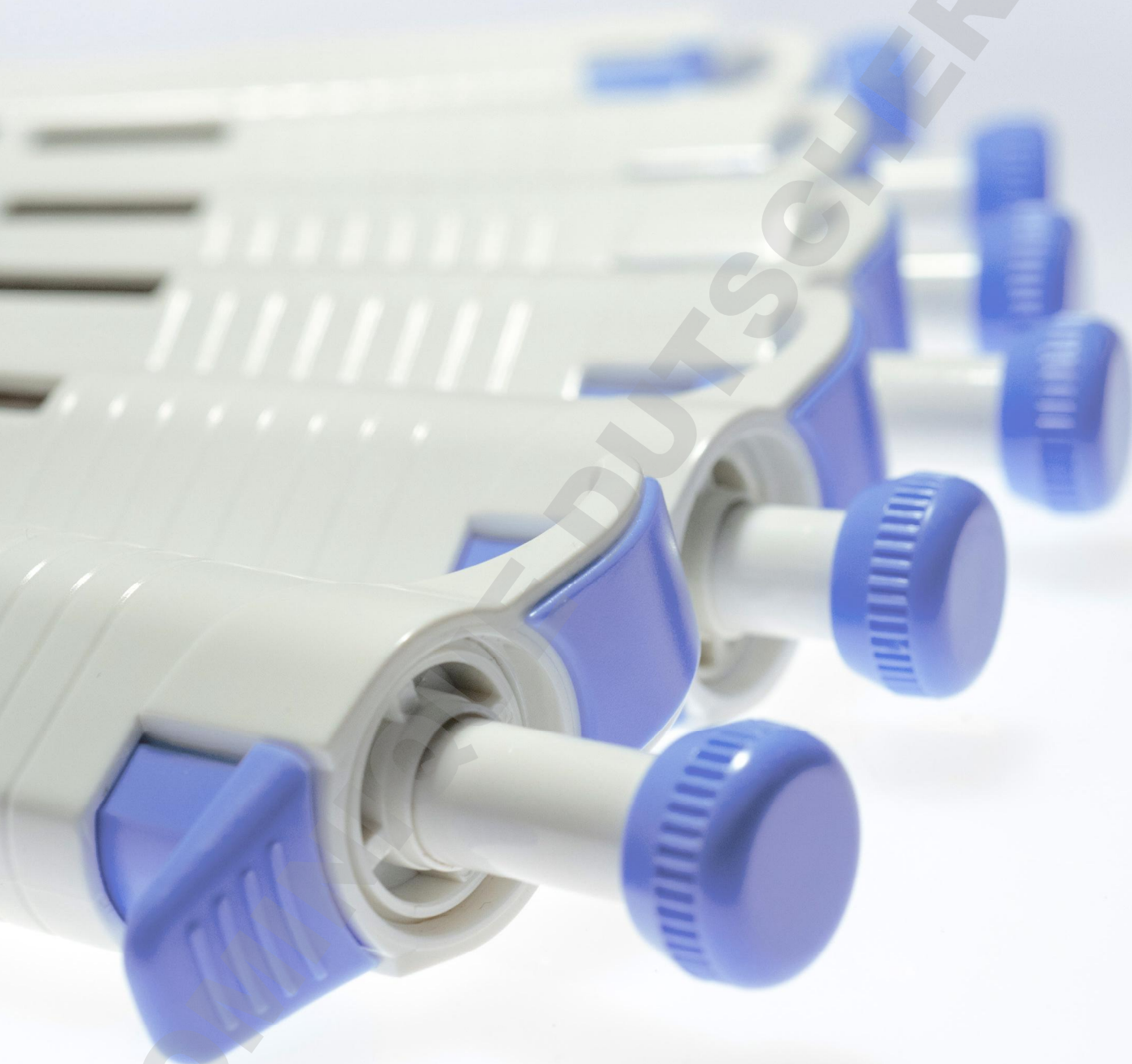




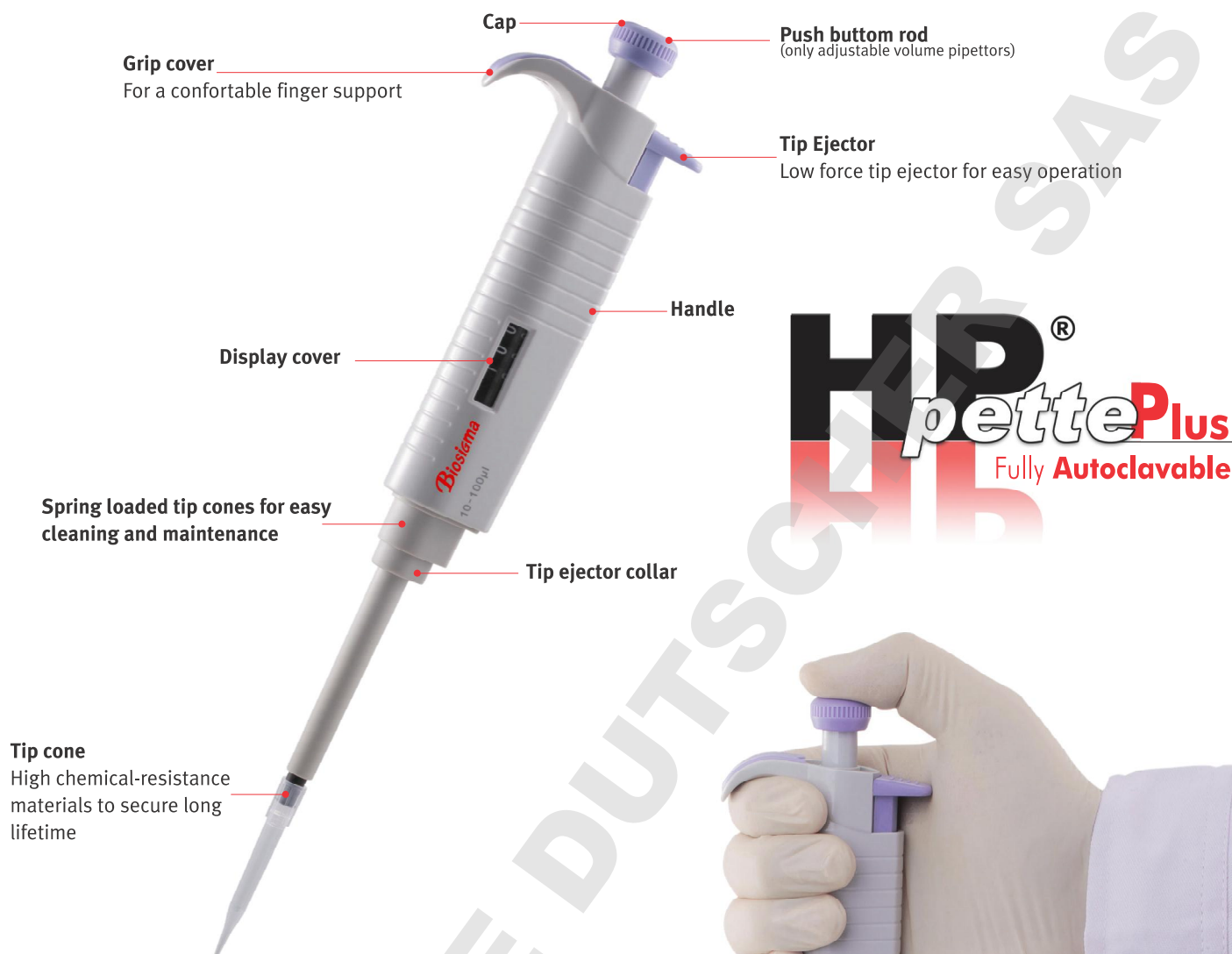
HP[®]
pettePlus
Fully Autoclavable



Fully **Autoclavable**

HPpettePlus HIGH PRECISION **MICROPIPETTE**

MANUAL MICROPIPETTES WITH EJECTORS FULLY AUTOCLAVABLE



FEATURES

- ▶ Fully autoclavable
- ▶ Slim design and light in weight, less risk of strain injuries.
- ▶ Compatible with most universal tip brands
- ▶ Excellent grip
- ▶ User friendly
- ▶ Large display window allows for easier volume identification
- ▶ Ejector button on the back for easy identification
- ▶ Pipettes cover volume range from 0.1µL to 5mL
- ▶ Easy calibration and maintenance
- ▶ Each pipette is supplied with an individual calibration certificate according to ISO8655 performed in factory
- ▶ CE marked as in vitro diagnostic device according to Directive 98/79/EC

for compatibility with tips see pages 51 and 53

Fix volume

CAT. NO.	Volume (µl)	Sale unit
ABS119HPA	5	1
ABS120HPA	10	1
ABS121HPA	20	1
ABS1210HPA	25	1
ABS122HPA	50	1
ABS123HPA	100	1
ABS124HPA	200	1
ABS1240HPA	250	1
ABS1241HPA	500	1
ABS125HPA	1000	1

Adjustable volume

CAT. NO.	Volume (µl)	Sale unit
ABS1261HPA	0.1 - 2.5	1
ABS126HPA	0.5 - 10	1
ABS128HPA	2 - 20	1
ABS129HPA	5 - 50	1
ABS1290HPA	10 - 100	1
ABS131HPA	20 - 200	1
ABS1310HPA	50 - 200	1
ABS1311HPA	100 - 1000	1
ABS132HPA	200 - 1000	1
ABS127HPA	1000 - 5000	1

MANUAL MICROPIPETTES WITH EJECTORS

FEATURES

- ▶ Fully autoclavable
- ▶ 8 channel pipette are appropriate for 96-well plates
- ▶ Dispensing head rotates for effortless pipetting convenience
- ▶ Individual piston and tip cone assemblies allowing easy repair and maintenance
- ▶ Compound material-made tip cone secures high sealing performance
- ▶ Compatible with most universal tip brands

Multichannel 8 channel

CAT. NO.	Volume (µl)	Compatible Tip	Sale unit
ABS133HPA	5 - 50	BSR066	1
ABS135HPA	50 - 300	BSR074	1
ABS136HPA	0.5 - 10	BSR064	1

Fully autoclavable

The HP-Pette Plus are fully autoclavable enable easy cleaning to reduce the risk of contamination. Steam autoclaving can be performed at 121 °C, 1 bar for 20 minutes. After autoclaving the pipette must be cooled down and left to dry for 12 hours before use. It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.



- ▶ Suitable for all pipette models
- ▶ With 5 stations

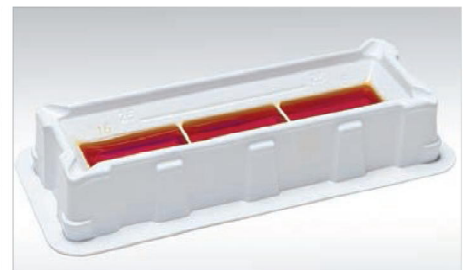
Rack

CAT. NO.	Description	Sale unit
861006	Pipettor stands in ABS for major pipettor brands.	1



STERILE PS REAGENT RESERVOIRS IN 25, 50, 100 ml

- ▶ In medical polystyrene
- ▶ Available Sterile and not
- ▶ Made in clean room
- ▶ Human DNA, RNase, DNase, non pyrogenic free
- ▶ Sterile SAL 10⁻⁶
- ▶ Angles with deposit system
- ▶ Graduated (volume accuracy +/- 5 %)
- ▶ V bottom to maximize the samples' rescue



DNase
RNase

Human
DNA

PCR
Inhibitors

Standard reservoir in white polystyrene

Vol. (ml)	Non sterile bag / 100	Sale unit	Sterile bag / 1	Sale unit	Sterile bag / 5	Sale unit
25	097805	100	097801	100	097800	200
50	097819	100	097802	100	097803	200
100	097804	100	087806	100	087807	200

3 channel reservoirs in white polystyrene

Volume (ml)	Sterile bag / 1	Sale unit	Sterile bag / 5	Sale unit
25	087804	100	087805	200

STANDARD TIPS

Several tip models utilizable with the most important pipette brands of the market.
Available in bulk and rack both. Made of Polypropylene
Autoclavable racks



Example of tips bag



Example of tips in rack
0 - 200 µl



Example of tips in rack
200 - 1000 µl



Example of tips in
blister of 5 pcs

Tip: EPPENDORF® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR062	0-10	neutral		Bag 1000 pcs	25000	Eppendorf® Cristal
	BSR063				Rack 96 pcs	9600	
	BSR0625	0.5-20		X	Blister 5 pcs	1000	Eppendorf® - Gilson® - Socorex® - Htl® - Nichiryo®
	BSR001	0-200	yellow		Bag 1000 pcs	25000	Eppendorf® - Brand® - Socorex®
	BSR041				Rack 96 pcs	9600	
	BSR011	5-100		X	Blister 5 pcs	2000	Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labssystem® - Excalibur® - HTL® - FinnpiPETTE®
	BSR002	200-1000	blue		Bag 500 pcs	10000	Eppendorf® - Socorex® - HTL® - Nichiryo®
	BSR042		light blue		Rack 96 pcs	9600	
	BSR012	100-1000	blue	X	Blister 5 pcs	1000	Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labssystem® - Excalibur® - HTL® - FinnpiPETTE®
	BSR080	1000-5000	neutral		case 250 pcs	2000	Eppendorf® - Socorex® - Biohit® - Oxford® - Acura®

Tip: GILSON® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR064	0.1-10	neutral		Bag 1000 pcs	10000	Gilson® - Eppendorf® - Socorex® - Nichiryo® - Jencos® - Biohit® Old Model - Elakay® - HTL® - FinnpiPETTE®
	BSR076				Rack 96 pcs	960	
	BSR066	0-200	yellow		Bag 1000 pcs	25000	Gilson®
	BSR0665	5-200		X	Blister 5 pcs	1000	
	BSR067	100-1000	blue		Bag 1000 pcs	10000	Gilson® - Eppendorf® - Socorex® - HTL® - Nichiryo®
	BSR075				Rack 96 pcs	960	

Tip: MLA® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR008	10-200	neutral		Bag 1000 pcs	12000	Mla® - Oxford®
	BSR018			X	Blister 5 pcs	2000	
	BSR048/N				Rack 192 pcs	960	
	BSR009	100-1000	neutral		Bag 1000 pcs	10000	Mla® - FinnpiPETTE® Colour model
	BSR019			X	Blister 5 pcs	500	
	BSR049/N	250-1000			Rack 192 pcs	960	Mla®

Tip: Oxford® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR004	5-200	neutral		Bag 1000 pcs	10000	Oxford® slim line - Diamed®
	BSR014			X	Blister 5 pcs	500	
	BSR003	10-200	neutral		Bag 1000 pcs	22000	Oxford® - FinnpiPETTE®
	BSR013			X	Blister 5 pcs	1500	
	BSR007	101-1000	blue		Bag 1000 pcs	10000	Oxford®
	BSR017			X	Blister 5 pcs	500	

Standard Tips compatibility with HPpette

Match the right tip to each HPpettePlus

Micropipettes		Micropipettes Single channel																		Multichannel 8 channel				
		Adjustable volume										Fix volume												
		ABS1261HPA 0.1-2.5µl	ABS126HPA 0.5-10µl	ABS128HPA 2-20µl	ABS129HPA 5-50µl	ABS1290HPA 10-100µl	ABS131HPA 20-200µl	ABS1310HPA 50-200µl	ABS1311HPA 100-1000µl	ABS132HPA 200-1000µl	ABS127HPA 1000-5000µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS1240HPA 250 µl	ABS1241HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl
Tips	X = compatible																							
BSR062	0-10 µl neutral	X	X								X	X									X			
BSR063	0-10 µl neutral	X	X								X	X									X			
BSR0625	0.5-20 µL neutral	X	X								X	X									X			
BSR001	0-200 µl yellow			X	X	X	X	X					X	X	X	X	X							
BSR041	0-200 µl yellow			X	X	X	X	X					X	X	X	X	X							
BSR011	5-100 µl yellow			X	X	X	X	X					X	X	X	X	X							
BSR064	0.1-10 µl neutral	X	X								X	X									X			
BSR076	0.1-10 µl neutral in rack 96 pcs	X	X								X	X									X			
BSR066	0-200 µL yellow			X	X	X	X	X					X	X	X	X	X					X		
BSR0665	5-200 µL yellow			X	X	X	X	X					X	X	X	X	X					X		
BSR002	200-1000 µL blue								X	X								X	X	X				
BSR042	200-1000 µL light blue								X	X								X	X	X				
BSR012	100-1000 µL blue																							
BSR074	2-300 µl neutral in rack 96 pcs																						X	
BSR067	100-1000 µl blue								X	X								X	X	X				
BSR075	100-1000 µl blue								X	X								X	X	X				
BSR080	1000-5000 µl neutral									X														
BSR008	10-200 µL neutral			X	X	X	X	X					X	X	X	X	X							
BSR018	10-200 µL neutral			X	X	X	X	X					X	X	X	X	X							
BSR048/N	10-200 µL neutral			X	X	X	X	X					X	X	X	X	X							
BSR009	100-1000 µL neutral																							
BSR019	100-1000 µL neutral																							
BSR049/N	250-1000 µL neutral																							
BSR004	5-200 µL neutral																							
BSR014	5-200 µL neutral																							
BSR003	10-200 µL neutral																							
BSR013	10-200 µL neutral																							
BSR007	101-1000 µL neutral																							
BSR017	101-1000 µL neutral																							

CLEARLine® STERILE FILTER TIPS, RACKED, IN LIFT-OFF LID BOXES

Your solution for liquid samples.

- ▶ Filtered tip, in natural polypropylene, racked, available in lift-off lid boxes
- ▶ Certified DNase, RNase-free, human DNA, PCR inhibitors and Pyrogen free
- ▶ Sterile
- ▶ CE marking : conforms to the necessary Health & Safety regulations as set by European Directives
- ▶ IVD certification: All ClearLine® tips have been registered as In Vitro Diagnostic Devices and comply with the 98/79/ EC Directive
- ▶ The ISO 8655 norm, as established by an independent laboratory, guarantees that the ClearLine® tips do not alter the pipette's technical specifications as set by their manufacturer - Visit www.dutscher.com/clearline to view the tips' compatibility test results with your pipettes.
- ▶ Autoclavable at 121°C
- ▶ Supplied in a rack with non removable lid, for under hood use

Available:

- ▶ In standard virgin polypropylene
- ▶ In low Binding: the tip, hydrophobic PP made, reduces the surface tension with two benefits: a maximal sample refund and a minimal retention of DNA and proteins (weakest retention respect to the standard one)



Certification CE / IVD / ISO-8655

CLEARLine®
"Be cool, be safe, be CLEARLine"

CE

IVD

ClearLine®

DNase
RNase

Human
DNA

PCR
Inhibitors

Endo-
toxins

Pyrogen

Model	Volume (µl)	Features	Compatibility	Standard		Low Binding	
				CAT. NO.	Sale unit	CAT. NO.	Sale unit
Microguard 10G	0.1-10 µl	Small volume Tips (28.8 mm)	Gilson P2-P10, Finnpiquette 2-10 µl Biohit 2.5-10 µl	028200CL	10x96	035200CL	10x96
MicroReach Guard	0.1-10 µl	Universal Long (45 mm)	Gilson P2-P10 Eppendorf 10 µl Finnpiquette 2-10 µl Biohit 2.5-10 µl	038000CL	10x96	038000TCL	10x96
Microguard 10XL	0.1-10 µl	Universal Long (45 mm)	Gilson P2-P10 Eppendorf 2.5 µl – 10 µl Finnpiquette 2-10 µl Biohit 2.5-10 µl	130340CL	10x96	-	-
Multiguard 10E	0.5-10 µl	Crystal Long tips (45.5 mm)	Eppendorf 10 µl Socorex 10 µl	015020CL	10x96	035210CL	10x96
Multiguard 20 µl	1–20 µl	Universal (50.7 mm)	Gilson P20 Eppendorf 20 µl Finnpiquette 10-20 µl Socorex 20 µl	014210CL	10x96	035220CL	10x96
Multiguard 100 µl	1-100 µl	Universal (50.7 mm)	Gilson P100 Biohit 50-100 µl Eppendorf 100 µl Finnpiquette 50-100 µl Socorex 100 µl	036060CL	10x96	036060TCL	10x96
Multiguard 200 µl	1-200 µl	Universal (50.7 mm)	Gilson P200 Eppendorf 200 µl Finnpiquette 200 µl Socorex 200 µl	014220CL	10x96	035230CL	10x96
MultiGuard3 and 200 µl	1-2 µl 1-100 µl 1- 200 µl	Long Tips (78.0 mm)	Gilson P20 – P100 – P200 Biohit 50-100 µl Eppendorf 20-100-200 µl Finnpiquette 10-20-50-100-200 µl	017370CL	10x96	035240CL	10x96
Multiguard 300 XT	1-300 µl	Long Tips (78.0 mm)	Gilson P200 Biohit 250 µl Eppendorf 200 µl Finnpiquette 200 µl	130510CL	10x96	130510TCL	10x96
Multiguard 1000 µl	100-1000 µl	Universal (71.8 mm)	Gilson P1000 Eppendorf 1000 µl Finnpiquette 1000 µl Biohit 1000 µl Socorex 1000 µl	014200CL	10x100	035260CL	10x100
Multiguard 1250 µl	50-1250 µl	Long Tips (102 mm)	for pipettes 1000 µl	134000CL	8x96	-	-

Non-filter tips, racked, lift-off lid

Volume (µl)	Description	Compatibility	Qty	Standard tips		Low-binding tips	
				Non-sterile	Sterile	Non-sterile	Sterile
0.1 - 10	45 mm long, fine tip	Universal	10 x 96	030560ACL	030570ACL	-	-
0.1 - 10	45 mm long tip	Universal	10 x 96	037640CL	037660CL	037640TCL	037660TCL
1 - 200	Universal tip, natural colour - length 50.7 mm	Universal	10 x 96	032230CL	032250CL	-	035100ACL
1 - 200	Universal graduated tip, yellow - length 50.7 mm	Universal	10 x 96	032240CL	032260CL	-	-
100 - 1000	Universal tip, blue - length 72.8 mm	Universal	10 x 100	027110CL	027120CL	-	-
50 - 1250	102 mm long tip	Universal	8 x 96	134750CL*	134760CL*	-	-

* Supplied in a rack with hinged lid

CLEARLine® Tips compatibility with HPpette

Match the right tip to each **HPpette**

			Micropipettes																		Multichannel 8 channel					
			Adjustable volume									Fix volume														
			ABS1261HPA 0.1-2.5µl	ABS126HPA 0.5-10µl	ABS128HPA 2-20µl	ABS129HPA 5-50µl	ABS1290HPA 10-100µl	ABS131HPA 20-200µl	ABS1310HPA 50-200µl	ABS1311HPA 100-1000µl	ABS132HPA 200-1000µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS1240HPA 250 µl	ABS1241HPA 500 µl				ABS125HPA 1000 µl	ABS136HPA 0.5-10µl	ABS133HPA 5-50µl
Tips		X = compatible																								
CLEARLINE STERILE FILTER TIPS RACKED	028200CL 035200CL	0.1 - 10 µL Gilson-type short tip (length 28.8mm)	X	X							X	X										X				
	038000CL 038000TCL	0.1 - 10 µL long tip (length 45mm)	X	X							X	X										X				
	130340CL	0.1 - 10 µL long fine tip (length 45mm)	X	X							X	X										X				
	015020CL 035210CL	0.5 - 10 µL Eppendorf-type short tip (length 45.5mm)	X	X							X	X														
	014210L 035220CL	0.2 - 20 µL universal tip			X								X													
	036060CL 036060TCL	1 - 100 µL universal tip			X	X	X						X	X	X	X										
	014220CL 035230CL	1 - 200 µL universal tip					X	X	X						X	X	X									
	017370CL 035240CL	Long tip for 20. 100 or 200 µL pipettes			X	X	X	X	X				X	X	X	X	X							X		
	130510CL 130510TCL	1 - 300 µL long tip (length 78mm)			X	X	X	X	X				X	X	X	X	X					X				
	014200CL 035260CL	100 - 1000 µL long tip (length 102mm)								X	X							X	X	X						
CLEARLINE NON-FILTER TIPS, RACKED	134000CL	50 - 1250 µL long tip (length 102mm)								X	X							X	X	X						
	030560ACL 030570ACL	0.1 - 10 µL long fine tip (length 45mm)	X	X							X	X									X					
	037640CL 037660CL 037640TCL	0.1 - 10 µL long tip (length 45mm)	X	X							X	X									X					
	032230CL 032250CL 035100ACL	1 - 200 µL universal natural tip			X	X	X	X	X				X	X	X	X	X					X				
	032240CL 032260CL	1 - 200 µL universal yellow tip			X	X	X	X	X				X	X	X	X	X					X				
	027110CL 027120CL	10 - 1000 µL universal blue tip								X	X							X	X	X						
	134750CL 134760CL	50 - 1250 µL long tip								X	X							X	X	X						

Specifications

Single-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.1~2.5µL	0.05µL	2.5µL	2.50%	0.0625	2.00%	0.05
		1.25µL	3.00%	0.0375	3.00%	0.0375
		0.25µL	12.00%	0.03	6.00%	0.015
0.5~10µL	0.1µL	10µL	1.00%	0.1	0.80%	0.08
		5µL	1.50%	0.075	1.50%	0.075
		1µL	2.50%	0.025	1.50%	0.015
2~20µL	0.5µL	20µL	0.90%	0.18	0.40%	0.08
		10µL	1.20%	0.12	1.00%	0.1
		2µL	3.00%	0.06	2.00%	0.04
5~50µL	0.5µL	50µL	0.60%	0.3	0.30%	0.15
		25µL	0.90%	0.225	0.60%	0.15
		5µL	2.00%	0.1	2.00%	0.1
10~100µL	1µL	100µL	0.80%	0.8	0.15%	0.15
		50µL	1.00%	0.5	0.40%	0.2
		10µL	3.00%	0.3	1.50%	0.15
20~200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		20µL	3.00%	0.6	1.00%	0.2
50~200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		50µL	1.00%	0.5	0.40%	0.2
100~1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		100µL	2.00%	2	0.70%	0.7
200~1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		200µL	0.90%	1.8	0.30%	0.6
1000~5000µL	50µL	5000µL	0.50%	25	0.15%	7.5
		2500µL	0.60%	15	0.30%	7.5
		1000µL	0.70%	7	0.30%	3

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
5µL	-	5µL	1.3%	0.065	1.2%	0.06
10µL	-	10µL	0.8%	0.08	0.8%	0.08
20µL	-	20µL	0.6%	0.12	0.5%	0.1
25µL	-	25µL	0.5%	0.125	0.3%	0.075
50µL	-	50µL	0.5%	0.25	0.3%	0.15
100µL	-	100µL	0.5%	0.5	0.3%	0.3
200µL	-	200µL	0.4%	0.8	0.2%	0.4
250µL	-	250µL	0.4%	1.0	0.2%	0.5
500µL	-	500µL	0.3%	1.5	0.2%	1.0
1000µL	-	1000µL	0.3%	3.0	0.2%	2.0

18 channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
			%	µL	%	µL
0.5~10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5~50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50~300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

DOMINIQUE DUTSCHER SAS



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