Biosigma®

HPpettePlus®

Fully Autoclavable

DOMAINE DEUTSCHER SAS

Fully **Autoclavable**

HPpettePlus HIGH PRECISION **MICROPIPETTE**

MANUAL MICROPIPETTES WITH EJECTORS FULLY AUTOCLAVABLE

HPpettePlus®
Fully Autoclavable

FEATURES

- Fully autoclavable
- Slim design and light in weight, less risk if 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

DOMINIQUE DUTSCHER SAS

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)	CompatibleTip	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.

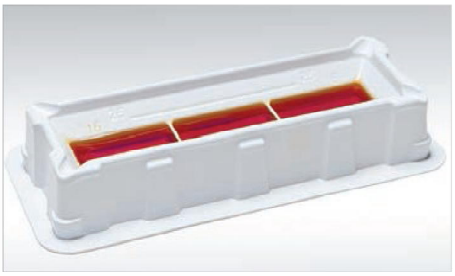
- Suitable for all pipette models
- With 5 stations

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

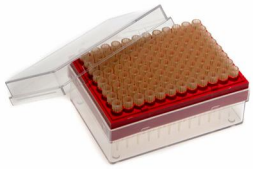
Volume (ml)	Sterile bag / 1	Sale unit	Sterile bag / 5	Sale unit
25	**087804**	100	**087805**	200

DOMINIQUE DUTSCHER SAS

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® - Labsystem® - 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® - Labsystem® - 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® - Jencons® - 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	Gilson® - Eppendorf® - Socorex® - HTL® - Nichiryo®
	BSR067	100-1000	blue		Bag 1000 pcs	10000	
	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	

DOMINIQUE DUTSCHER SAS

Standard Tips compatibility with HPpette

Match the right tip to each **HP**pettePlus

	Tips	X = compatible	Micropipettes: Micropipettes Single channel — Adjustable 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	Fix volume: 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	Multichannel 8 channel: ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl
STANDARD TIPS	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																							

DOMINIQUE DUTSCHER SAS

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 inhibtors 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)

Certificate CE / IVD / ISO-8655

Certification CE / IVD / ISO-8655

CLEARLine® CE IVD

"Be cool, be safe, be CLEARLine"

ClearLine® DNase RNase · Human DNA · PCR Inhibitors · Endo-toxins · Pyrogen

				Standard		Low Binding	
Model	**Volume (µl)**	**Features**	**Compatibility**	**CAT. NO.**	**Sale unit**	**CAT. NO.**	**Sale unit**
Microguard 10G	0.1-10 µl	Small volume Tips (28.8 mm)	Gilson P2-P10, Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 200 µl	**130510CL**	10x96	**130510TCL**	10x96
Multiguard 1000 µl	100-1000 µl	Universal (71.8 mm)	Gilson P1000 Eppendorf 1000 µl Finnpipette 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

				Standard tips		Low-binding tips	
Volume (µL)	**Description**	**Compatibility**	**Qty**	**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

DOMINIQUE DUTSCHER

CLEARLine® Tips compatibility with HPpette

Match the right tip to each **HP**pette

	Tips	X = compatible	Micropipettes: Micropipettes Single channel — Adjustable 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	Fix volume: 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	Multichannel 8 channel: ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl
CLEARLINE STERILE FILTER TIPS RACKED	028200CL 035200CL	0.1 - 10 µL Gilson-type short tip (lenght 28.8mm)	X	X								X	X									X		
	038000CL 038000TCL	0.1 - 10 µL long tip (lenght 45mm)	X	X								X	X									X		
	130340CL	0.1 - 10 µL long fine tip (lenght 45mm)	X	X								X	X									X		
	015020CL 035210CL	0.5 - 10 µL Eppendorf-type short tip (lenght 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 (lenght 78mm)			X	X	X	X	X					X	X	X	X	X					X	
	014200CL 035260CL	100 - 1000 µL long tip (lenght 102mm)								X	X								X	X	X			
	134000CL	50 - 1250 µL long tip (lenght 102mm)								X	X								X	X	X			
CLEARLINE NON-FILTER TIPS, RACKED	030560ACL 030570ACL	0.1 - 10 µL long fine tip (lenght 45mm)	X	X								X	X									X		
	037640CL 037660CL 037640TCL	0.1 - 10 µL long tip (lenght 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			

DOMINIQUE DUTSCHER SA

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

Notes

DOMINIQUE DUTSCHER SAS

DOMINIQUE DUTSCHER SAS

Biosigma
a Dominique Dutscher company
Address: Via Valletta, 6 • 30010, Cona (Venice) Italy
Phone ++39 0426 302226 - Fax ++39 0426 302228
export@biosigmaeu.com - www.biosigma.com
V.A.T. IT 03228440270
Ver. 2018-04