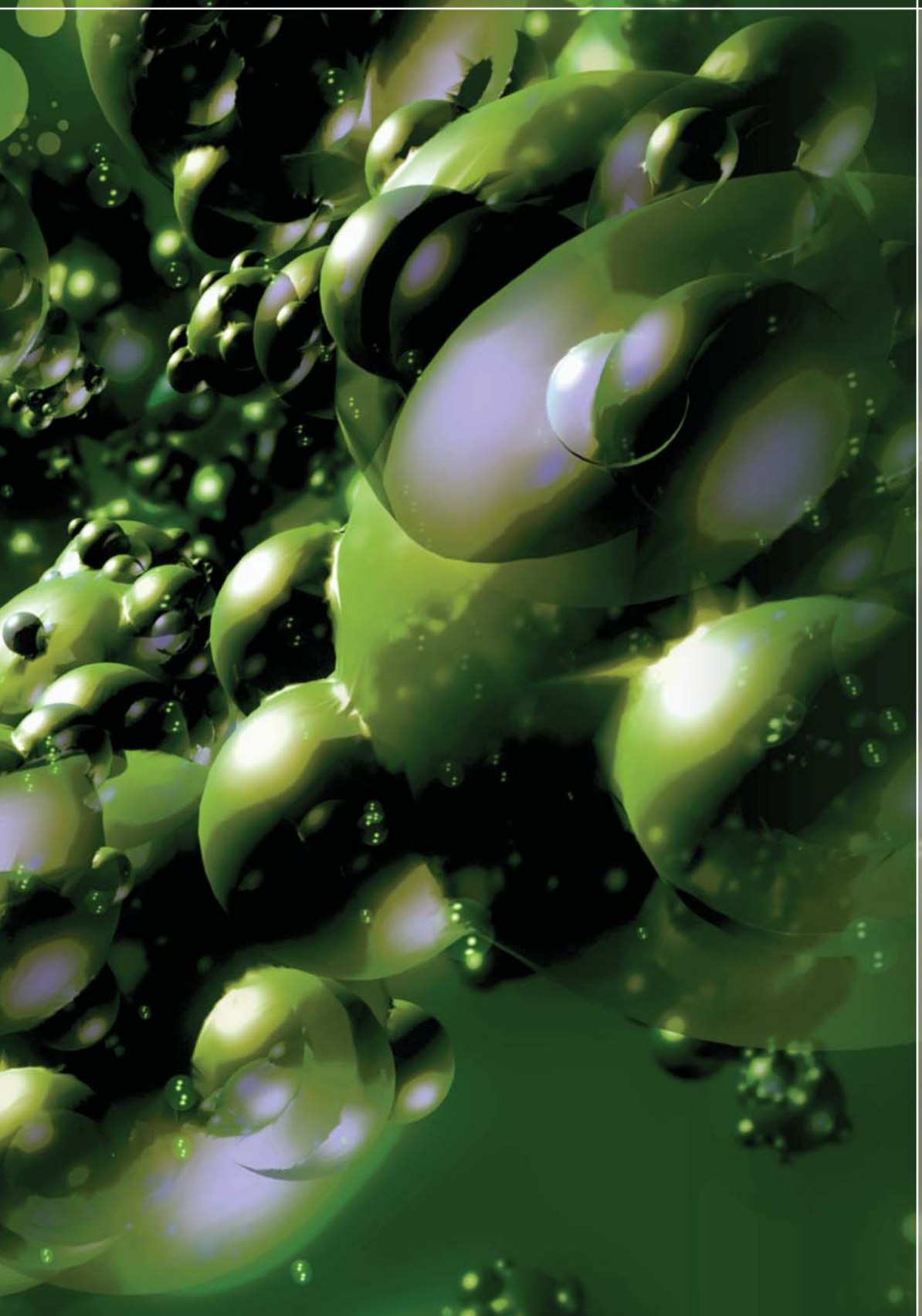
Liquid Handling SOLUTIONS



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VWR®

1.800.932.5000 vwr.com

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VWR International now offers a complete Liquid Handling Solution!

- Quality products from the leading manufacturers in the industry
- Extensive product lines that support a range of applications (including automation!)
- On the cutting-edge of environmental responsibility with innovative package design and recyclable content

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VWR® Next Generation Tip Refill System

- **Least Packaging of Any Reload System on the Market**
- **Packaging Made from 95% Renewable Materials**
- **Tip Base Utilizes Biodegradable Plastic (from Corn)**

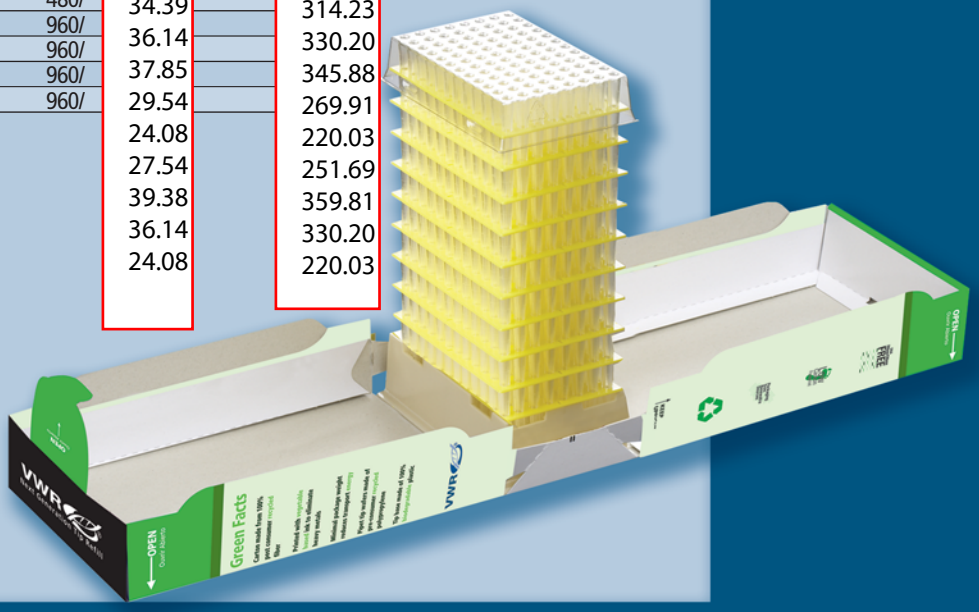
NEW! Complete system with low carbon footprint

The Next Generation tip refill system offers a complete refilling solution for laboratory pipetting procedures. Refills are available in 17 different tip styles to accommodate use with VWR pipettors as well as those of other brands. Packaging is constructed from 95% renewable material, all recyclable portions are clearly coded, and tip base includes the use of bioplastic (non-petroleum) biodegradable resin.

Each refill package includes a transfer cover made of recycled PET. Covers keep tips clean, prevent wobbling during refilling procedures, and eliminate the threat of contamination as well as the use of gloves. Extremely stable when opened, each refill package is a reclosable box that maximizes storage space. All tips are certified RNase-, DNase-, and human DNA-free. Sterile tips are lot tested for endotoxin contamination.

Volume, µL	Tip Style	Cat. No.	Pack of	Case/10 Packs
Nonsterile Tips				
0.1–10	Extended Micro Tips	**89079-464**	1344/	45.39 / 414.75
1–200	Yellow Tips	**89079-458**	960/	30.92 / 282.58
1–200	Clear Tips	**89079-474**	960/	30.92 / 282.58
1–200	Graduated Tips	**89079-478**	960/	32.64 / 298.25
100–200	Eppendorf® Style Tips	**89079-462**	960/	34.39 / 314.23
1–200	Wide Orifice Tips	**89079-456**	960/	34.39 / 314.23
100–1250	Wide Orifice Tips	**89079-468**	480/	22.33 / 204.06
1–200	Ultrafine™ Tips	**89079-444**	960/	34.39 / 314.23
1–250	Ultrafine Tips	**89079-482**	960/	34.39 / 314.23
1–300	Ultrafine Tips	**89079-440**	576/	26.16 / 239.02
100–1250	Ultrafine Tips	**89079-470**	480/	20.61 / 188.38
1–200	Low Binding Tips	**89079-476**	960/	32.64 / 298.25
1–250	Low Binding Tips	**89079-484**	960/	36.14 / 330.20
100–1250	Low Binding Tips	**89079-486**	480/	24.08 / 220.03
0.1–20	Rainin® LTS™ Style Tips	**89079-436**	1056/	35.88 / 327.87
1–200	Rainin LTS Style Tips	**89079-448**	960/	32.64 / 298.25
100–1000	Rainin LTS Style Tips	**89079-452**	480/	20.61 / 188.38
Sterile Tips				
0.1–10	Extended Micro Tips	**89079-466**	1344/	49.22 / 449.71
1–200	Yellow Tips	**89079-460**	960/	34.39 / 314.23
1–200	Graduated Tips	**89079-480**	960/	36.14 / 330.20
1–200	Ultrafine Tips	**89079-446**	960/	37.85 / 345.88
1–300	Ultrafine Tips	**89079-442**	576/	29.54 / 269.91
100–1250	Ultrafine Tips	**89079-472**	480/	24.08 / 220.03
100–1250	Low Binding Tips	**89079-488**	960/	27.54 / 251.69
0.1–20	Rainin LTS Style Tips	**89079-438**	960/	39.38 / 359.81
1–200	Rainin LTS Style Tips	**89079-450**	960/	36.14 / 330.20
100–1000	Rainin LTS Style Tips	**89079-454**	960/	24.08 / 220.03

Reduced packaging and made with renewable materials



For more information see the Liquid Handling Solutions program area at vwr.com.

VWR® Bevel Point Pipet Tips

- Tips provide maximum sample recovery and minimal fluid retention
- Free of RNase, DNase, and trace metals
- Tips and hinged racks are autoclavable
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Color	Packaging	Cat. No.	Pack of	Case of
VWR Tips						
1–200	5 (1.955)	Yellow	Bulk	**53508-810**	1000/ 71.74	10 Pks./ 552.21
1–200	5 (1.955)	Yellow	96/Hinged Rack	**53508-783**	96(79.66	10 Pks./ 612.73
1–200*	5 (1.955)	Yellow	96/Hinged Rack	**53508-794**	96(103.08	10 Pks./ 793.02
1–300	5.2 (2.050)	Clear	96/Hinged Rack	**53509-126**	96(92.67	10 Pks./ 712.94
1–300*	5.2 (2.050)	Clear	96/Hinged Rack	**53509-128**	96(104.17	801.42
VWR Signature™ Low-Binding Tips						
1–200	5 (1.955)	Clear	96/Hinged Rack	**53503-288**	96(	10 Pks./ 696.82
1–200*	5 (1.955)	Clear	96/Hinged Rack	**53503-290**	96(	10 Pks./ 829.69
1–300	5.2 (2.050)	Clear	96/Hinged Rack	**37001-196**	96(90.58	10 Pks./ 595.60
1–300*	5.2 (2.050)	Clear	96/Hinged Rack	**37001-198**	96(107.83	10 Pks./ 724.60

*Sterile.

VWR Signature™ Pipet Tips for Rainin® LTS® Touch® Pipettors

- Clear, pretested, polypropylene resin tips fit the Rainin LTS pipettors
- Tips fit and eject with significantly less force than most conventional pipet tips
- Lot-certified pure and free of human DNA, DNase, RNase, endotoxins, and heavy metals
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of	Case of
Ultrafine Tips					
0.1–20	4.8 (1.900)	96/Hinged Rack	**83009-694**	960 82.41	10 Pks 633.95
100–1000	8.9 (3.500)	96/Hinged Rack	**37001-604**	576 76.20	8 Pks 469.21
Ultrafine Tips, Graduated					
1–250	5 (1.955)	96/Hinged Rack	**37001-596**	960 94.29	10 Pks 725.51

VWR® Bevel Point Pipet Tips, Graduated

- Clear polypropylene tips have a beveled end for superior accuracy and reproducibility
- Tips and hinged racks are autoclavable
- Tips are free of RNase, DNase, and trace metals
- Sterile tips are endotoxin-free
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of	Case of
1–200	5 (1.955)	Bulk	**53509-007**	1000/ 69.08	10 Pks./ 531.62
1–200	5 (1.955)	96/Hinged Rack	**53509-006**	960/ 77.37	10 Pks./ 595.24
1–200*	5 (1.955)	96/Hinged Rack	**53509-009**	960/ 107.20	10 Pks./ 824.56

*Sterile.

VWR® Ultra-Micro Tips, Graduated

- Tips have ultrafine, unbeveled points
- RNase- and DNase-free
- Sterile tips are endotoxin-free
- Low-binding tips are also protease- and human DNA-free
- Tips and hinged boxes are fully autoclavable
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of	Case of
VWR Tips					
0.1–10	3.1 (1.235)	Bulk	**53509-070**	1000/ 42.86	10 Pks./ 329.88
0.1–10	3.1 (1.235)	96/Hinged Rack	**53509-130**	1152/ 111.11	10 Pks./ 855.13
0.1–10*	3.1 (1.235)	96/Hinged Rack	**53509-132**	1152/ 121.43	10 Pks./ 934.21
VWR Signature™ Low-Binding Tips					
0.1–10	3.1 (1.235)	96/Hinged Rack	**37001-158**	1152/ 91.17	10 Pks./ 701.40
0.1–10*	3.1 (1.235)	96/Hinged Rack	**37001-160**	1152/ 119.33	10 Pks./ 917.77

*Sterile.

OneTouch™ Tips, Sorenson BioScience

This revolutionary design consists of a 2-shot tip design utilizing virgin polypropylene and proprietary thermoplastic polymer rubber to ensure a perfect seal with any pipettor and a low force required for ejection. E-dek™ paper racks fit seamlessly into any paper recycling program.

Volume, µL	Cat. No.	Sorenson No.	Pack of		Case of
10	**89082-334**	10300	960	66.54	5 pks./ 302.47
10*	**89082-336**	10310	960	73.95	5 Pks./ 336.15
200	**89082-340**	10330	960	64.11	5 Pks./ 291.45
200*	**89082-342**	10340	960	71.25	5 Pks./ 323.9
1000	**89082-346**	10360	768	66.54	5 Pks./ 302.47
1000*	**89082-348**	10370	768	73.95	336.15
E-dek Refill Racks					
10*	**89082-352**	10320	960		5 Pks./
200*	**89082-356**	10390	960		5 Pks./
1000*	**89082-360**	10410	768	74.82	5 Pks./ 340.12
				74.82	340.12
				74.82	340.12

*Sterile.

~~10 µL and 1000 µL sizes available July 2008.~~

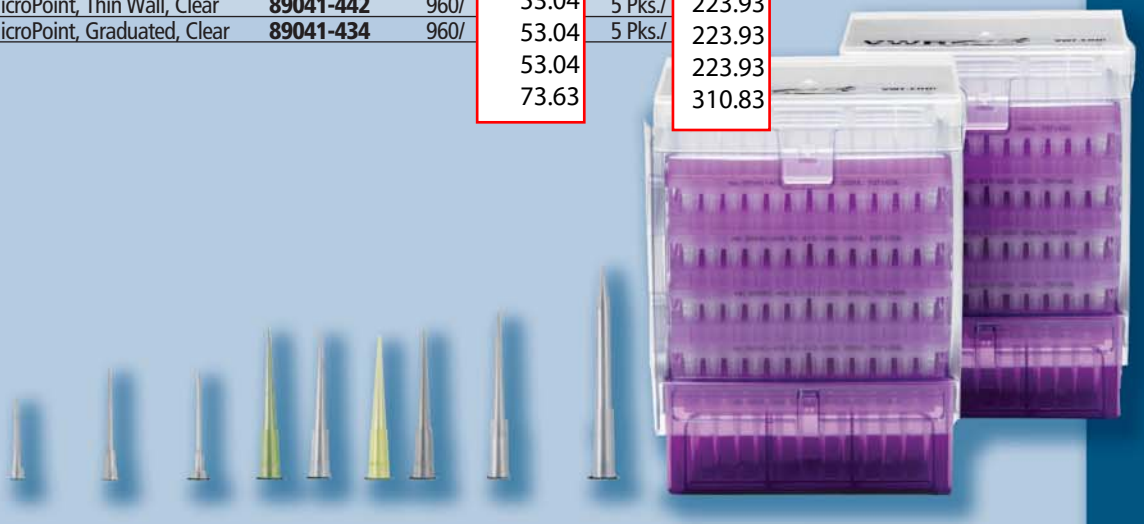
NEW!
The first truly universal tips that fit virtually any pipettor

Features environmentally friendly paper racks

VWR® Pipet Tip Reload System

- Virgin polypropylene tips are designed to be a universal fit on most pipettors
- Inserts are color-coded by volume
- Recyclable packaging

Volume, µL	Description	Cat. No.	Pack of		Case of
Reload Packaged, Nonsterile Tips					
0.1–10	MicroPoint, Graduated, Clear	**89041-432**	960/	49.87	5 Pks./ 210.56
1–200	Graduated, Yellow	**89041-424**	960/	41.95	5 Pks./ 177.13
1–200	Graduated, Clear	**89041-426**	960/	41.95	5 Pks./ 177.13
1–200	MicroPoint, Thin Wall, Clear	**89041-428**	960/	41.95	5 Pks./ 177.13
100–1250	Graduated, Clear	**89041-420**	960/	60.95	257.34
Reload Packaged, Sterile Tips					
0.1–10	MicroPoint, Graduated, Clear	**89041-446**	960/		5 Pks./
1–200	Graduated, Yellow	**89041-438**	960/	60.95	5 Pks./ 257.35
1–200	Graduated, Clear	**89041-440**	960/	53.04	5 Pks./ 223.93
1–200	MicroPoint, Thin Wall, Clear	**89041-442**	960/	53.04	5 Pks./ 223.93
100–1250	MicroPoint, Graduated, Clear	**89041-434**	960/	53.04	223.93
				73.63	310.83



Tip Reload System, Axygen Scientific

- Easy-to-load refill racks
- Universal fit tips have a beveled reference and graduated marks

Volume, µL	Descripton	Axygen No.	Cat. No.	Case of 4800
0.5–10	Gilson®-Style Pipettor Tips, Clear	RFL-300-C	**89029-921**	223.31
1–200	Universal Fit Pipettor Tips, Clear	RFL-222-C	**89029-919**	211.11
1–1200	Refill Racks	RFL-1200-C	**89080-484**	172.21

Research-Grade Pipet Tips, Axygen Scientific

- Designed to fit a wide variety of single-channel and multichannel pipettors
- Certified RNase-, DNase-, and endotoxin-free
- Lot-tested
- Additional volumes and packaging options available on vwr.com

Volume, µL	Color	Packaging	Axygen No.	Cat No.	Pack of		Case of	
Extended Length Micro Volume Tips for Most Research-Grade Pipettors								
10†	Clear	96/Rack	TXL-10-R	**47745-486**	960/	106.12	5 Pks./	409.75
10*†	Clear	96/Rack	TXL-10-R-S	**47745-488**	960/	106.06	5 Pks./	409.91
Graduated Tips for Most Research-Grade Pipettors								
200	Clear	96/Rack	TR-222-C-R	**10011-372**	960/		5 Pks./	
200*	Clear	96/Rack	TR-222-C-R-S	**10011-374**	960/	94.11	5 Pks./	363.66
Non-Graduated Tips for Most Research-Grade Pipettors						89.24		344.96
200	Clear	96/Rack	T-200-C-R	**10011-316**	960/		5 Pks./	
200*	Clear	96/Rack	T-200-C-R-S	**10011-318**	960/		5 Pks./	
1000	Blue	100/Rack	T-1000-B-R	**10011-302**	1000/	93.99	5 Pks./	363.21
1000*	Blue	100/Rack	T-1000-B-R-S	**10011-304**	1000/	89.24	5 Pks./	344.96
						108.62		419.74
						123.83		478.56

*Presterilized.

†Minimum volume is 0.5 µL.

MAXYMum Recovery® Research-Grade Pipet Tips, Axygen Scientific

- Ideal for transferring viscous DNA, RNA, and protein solutions
- Constructed using diamond-polished molds to eliminate cavities and occlusions
- Made of a unique polymer that resists DNA, RNA, and protein adherence, tips will not denature DNA
- Certified to be free of DNase, RNase, and pyrogens
- Additional volumes and packaging options available on vwr.com

Volume, µL	Packaging	Axygen No.	Cat No.	Pack of		Case of	
Extended Length Micro Volume Tips for Most Research-Grade Pipettors							
0.5–10	96/Rack	TXL-10-L-R	**12000-210**	960/	112.60	5 Pks./	434.95
0.5–10*	96/Rack	TXL-10-L-R-S	**12000-212**	960/	127.65	5 Pks./	492.6
Graduated Tips for Most Research-Grade Pipettors							
200	96/Rack	TR-222-C-L-R	**22234-072**	960/		5 Pks./	
200*	96/Rack	TR-222-C-LRS	**22234-074**	960/	93.63	5 Pks./	361.98
Non-Graduated Tips for Most Research-Grade Pipettors					106.82		412.52
200	96/Rack	T-200-C-L-R	**22234-064**	960/		5 Pks./	
200*	96/Rack	T-200-C-L-RS	**22234-066**	960/		5 Pks./	
1000	100/Rack	T-1000-C-L-R	**22234-088**	1000/	97.41	5 Pks./	376.51
1000*	100/Rack	T-1000-C-LRS	**22234-090**	1000/	106.82	5 Pks./	412.52
					106.81		413.03
					124.30		480.19

*Presterilized.

VWR Signature™ Aerosol Filter Pipet Tips

- For use with most pipettors
- Certified RNase-, DNase-, endotoxin-, metal-, and human DNA-free
- Sterile tips are gamma-irradiated
- Autoclavable
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of		Case of
Bevel Point Tips						
1–40	5 (1.955)	96/Hinged Rack	**53510-079**	960/	130.99	997.61
1–40*	5 (1.955)	96/Hinged Rack	**53510-014**	960/	157.63	1200.63
1–100	5 (1.955)	96/Hinged Rack	**53510-076**	960/	184.02	1401.58
1–100*	5 (1.955)	96/Hinged Rack	**53510-070**	960/	188.53	1435.90
1–250	5.2 (2.050)	96/Hinged Rack	**53510-084**	960/	161.86	1232.78
1–250*	5.2 (2.050)	96/Hinged Rack	**53510-037**	960/	165.15	1270.41
Ultrafine Point Tips						
1–200	5.2 (2.059)	96/Hinged Rack	**53510-104**	960/		
1–200*	5.2 (2.059)	96/Hinged Rack	**53510-106**	960/		
1–300	7.3 (2.875)	Bulk	**83007-360**	1000/	160.19	1220.14
1–300*	7.3 (2.875)	96/Hinged Rack	**83007-358**	576/	168.93	1286.65
100–1000	8.9 (3.500)	96/Hinged Rack	**16466-006**	576/	97.62	750.97
100–1000*	8.9 (3.500)	96/Hinged Rack	**16466-008**	576/	82.12	505.30
					118.07	719.39
					130.10	777.28

*Sterile.

VWR Signature™ Micro Aerosol Filter Pipet Tips

- For use with most pipettors
- Free of RNase, DNase, endotoxins, human DNA, and metals
- Autoclavable
- Additional volumes and packaging options available on vwr.com

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of		Case of
Graduated Tips, Ultrafine Point						
0.1–10	3.1 (1.235)	96/Hinged Rack	**53509-140**	1152/	173.51	1321.58
0.1–10*	3.1 (1.235)	96/Hinged Rack	**53509-138**	1152/	191.97	1462.13
Extended Length Tips, Ultrafine Point						
0.1–10	3.8 (1.500)	96/Hinged Rack	**46620-330**	960/	152.39	1160.69
0.1–10*	3.8 (1.500)	96/Hinged Rack	**46620-328**	960/	183.98	1401.24

*Sterile.

VWR Signature™ Aerosol Filter Pipet Tips for Rainin® LTS® Pipettors

- Free of RNase, DNase, endotoxins, human DNA, and metals
- Tips feature ultrafine points, high molecular weight polyethylene filters, and super clear resin
- Autoclavable

Volume, µL	Length, cm (in.)	Packaging	Cat. No.	Pack of		Case of
Nonsterile						
0.1–20	4.8 (1.900)	Bulk	**83009-686**	1000/	111.32	856.24
Sterile						
0.1–20	4.8 (1.900)	96/Hinged Rack	**83009-688**	960/	175.35	1349.49
1–200	5 (1.955)	96/Hinged Rack	**82003-196**	960/	174.54	1343.17
100–1000	8.9 (3.500)	96/Hinged Rack	**82003-198**	576/	127.61	785.50

OneTouch™ Filter Barrier Pipet Tips, Sorenson BioScience

This revolutionary design consists of a 2-shot tip design utilizing virgin polypropylene and proprietary thermoplastic polymer rubber to ensure a perfect seal with any pipettor and a low force required for ejection. E-dek™ paper racks fit seamlessly into any paper recycling program.

NEW!
Features environmentally friendly paper racks

NEW!
The first truly universal tips that fit virtually any pipettor

Volume, µL	Cat. No.	Sorenson No.	Pack of		Case of
10	**89082-338**	MAT800	960/	133.12	5 pks/ 605.09
200	**89082-344**	MAT701	960/	128.26	5 pks/ 583.04
1000	**89082-350**	MAT540	768/	133.12	5 pks/ 605.09
E-dek Refill Racks					
10*	**89082-354**	MAT525	960/		5 pks/
200	**89082-358**	MAT503	960/	131.83	5 pks/ 599.27
1000	**89082-362**	MAT501	768/	131.83	5 pks/ 599.27
				131.83	599.27

*Sterile.

~~10 µL and 1000 µL sizes available July 2008.~~

VWR® Barrier Pipet Tips, Sterile

- Fit most research-grade pipettors
- Certified free of RNase, DNase, and human DNA/PCR† inhibitors

Volume, µL	Packaging	Length, cm (in.)	Cat. No.	Pack of		Case of
Tips for Most Research-Grade Pipettors						
10	96/Tray	2.9 (1 1/8)	**87001-686**	960/	150.75	5 pks./ 579.84
20	96/Tray	5 (2)	**87001-694**	960/	150.75	5 pks./ 579.84
100	96/Tray	5 (2)	**87001-696**	960/	150.75	5 pks./ 579.84
200	96/Tray	5.8 (2 1/4)	**87001-698**	960/	150.75	5 pks./ 579.84
1000	100/Tray	7.2 (2 13/16)	**87001-700**	1000/	150.75	5 pks./ 579.84
Extended Length Tips for Most Research-Grade Pipettors					150.75	579.84
10	96/Tray	4.5 (1 3/4)	**87001-688**	960/		5 pks./
1000	96/Tray	10.2 (4 1/16)	**87006-060**	768/		5 pks./
					150.75	579.84
					150.75	579.84

†PCR is a patented process of Hoffman-La Roche. Use of the PCR process requires a license.

MAXYMum Recovery® Hydrophobic Filter Barrier Pipet Tips, Axygen Scientific

- For applications that require a high degree of accuracy and reproducibility
- Compatible with most major brands of research grade pipettors
- Manufactured using diamond-polished molds to eliminate surface cavities and occlusions
- Certified to be free of DNase, RNase, and pyrogens
- Autoclavable and presterilized

Volume, µL	Axygen No.	Cat. No.	Pack of		Case of
For Gilson®, Rainin® R2 and R10, Biohit®, Eppendorf®, Thermo Labsystems, and Other Pipettors					
0.5–10	TF-300-L-R-S	**22234-018**	960/	176.83	5 Pks./ 683.52
For Eppendorf Ultra Micro Pipettors					
0.5–10	TF-400-L-R-S	**22234-020**	960/	176.83	5 Pks./ 683.52
Extended Length Micro Volume Tips for Most Research-Grade Pipettors					
0.5–10	TXLF-10-LRS	**47749-868**	960/	176.83	5 Pks./ 683.52
For Most Research-Grade Pipettors					
20	TF-20-L-R-S	**22234-008**	960/	176.83	5 Pks./ 683.52
100	TF-100-L-R-S	**22234-012**	960/	176.83	5 Pks./ 683.52
200	TF-200-L-R-S	**22234-016**	960/	176.83	5 Pks./ 683.52
300	TF-350-L-R-S	**22234-132**	960/	176.83	5 Pks./ 683.52
1000	TF-1000-LRS	**22234-024**	1000/	176.83	5 Pks./ 683.52

Hydrophobic Filter Barrier Pipet Tips, Axygen Scientific

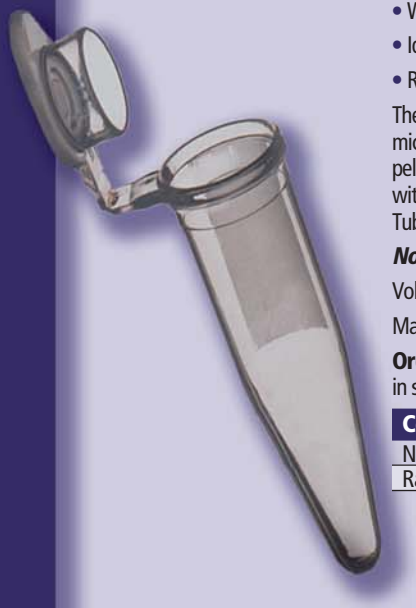
- Metal-free and certified RNase-, DNase-, and endotoxin-free
- Filters contain no PCR† inhibitors
- Lot-tested

Volume, µL	Packaging	Axygen No.	Cat No.	Pack of		Case of
For Matrix® Pipettors						
10*	96/Rack	TXLF-10-R-S	**47745-492**	960/	147.06	5 Pks./ 568.41
For Most Research-Grade Pipettors						
0.5–10*	96/Rack	TF-300-R-S	**10011-360**	960/	147.06	5 Pks./ 568.41
200*	96/Rack	TF-200-R-S	**10011-356**	960/	147.06	5 Pks./ 568.41
1000*	100/Rack	TF-1000-R-S	**10011-350**	1000/	147.06	5 Pks./ 568.41

*Presterilized.

†PCR is a patented process of Hoffmann-La Roche. Use of the PCR process requires a license.

For other Sorenson BioScience products, including the environmentally friendly e-dek™ tip refill racks, visit vwr.com.



VWR® SuperSpin™ Microcentrifuge Tubes

- Withstand Spins up to 35,000 *g*
- Ideal for Vortexing and Shaking Tables
- RNase-, DNase-, and Endotoxin-Free

These tubes incorporate a high-strength wall and can be centrifuged to twice the g-force that most other microcentrifuge tubes can withstand. The GateFree™ design and clear polypropylene resin ensure a clear view of the pellet. Tubes also feature flat, pierceable, frosted caps and a side labeling surface. The ergonomically designed caps with smooth surfaces help reduce the potential for repetitive strain injuries. Ideal for phenol/chloroform extractions. Tubes fit all common rotors. Steam autoclavable to 122°C and freezable to –90°C.

Note: Because tubes have a tightly fitting cap, they should not be used for boiling.

Volume: 1.5 mL

Maximum RCF: 35,000 *g*

Ordering Information: Rainbow pack **20170-022** contains 100 tubes each of green, blue, red, orange, and yellow in separate bags.

Color	Cat. No.		Pack of		Case/10 Packs
Natural	**20170-038**	500/	41.84		321.88
Rainbow	**20170-022**	500/	48.43		372.70

VWR® SuperClear™ Microcentrifuge Tubes

- Side Labeling Surface
- Cap Will Not Open During Boiling
- RNase-, DNase-, and Endotoxin-Free

SuperClear tubes are made from an ultra-clear polypropylene resin that provides a clear view of the pellet as well as correct color rendition. Tubes with caps feature a GateFree™ design for a strong, smooth tube bottom that eliminates the risk of snagging gloves or irritating fingers. Caps are flat, pierceable, frosted, and won't open when the tube is boiled or autoclaved. The caps have smooth surfaces and an ergonomic design to reduce the occurrence of repetitive strain injuries from opening and closing. Tubes fit most common rotors. Autoclavable at 122°C. Freezable to –90°C.

Maximum RCF: 0.65 mL Tubes: 35,000 *g*
1.7 mL Tubes: 14,000 *g*

Ordering Information: Rainbow packs **20170-306** and **-369** consist of individual bags of yellow, orange, red, blue, and green tubes.

Color	Cat. No.		Pack of		Case/10 Packs
0.65 mL Tubes with Caps					
Natural	**20170-293**	1000/	117.07		900.78
Rainbow	**20170-306**	1000/	118.79		913.97
1.7 mL Tubes with Caps					
Natural	**20170-355**	500/			
Natural*	**20170-577**	500/	60.29		464.03
Rainbow	**20170-369**	500/	58.94		—
			60.31		464.08

*Sterile tubes.

VWR® SuperClear™ Screw Cap Microcentrifuge Tubes

- Ultra-clear resin
- Autoclavable and freezable
- Large external graduations and smooth surface for applying labels
- Packaged in resealable bags
- RNase-, DNase-, and endotoxin-free
- FDA CFR 21 compliant
- Fit most common rotors
- Low-profile caps include an ethylene propylene O-ring for a secure seal
- Additional colors and volumes available on vwr.com

Volume	Tube Style	Cat. No.	Pack of 500	Case/10 Packs
Nonsterile Tubes with Natural-Color Caps				
0.5 mL	Freestanding	**16466-052**	153.19	1178.70
1.5 mL	Freestanding	**16466-048**	153.19	1178.70
2.0 mL	Freestanding	**16466-060**	153.19	1178.70
Sterile Tubes with Attached Natural-Color Caps				
0.5 mL	Freestanding	**16466-050**		
1.5 mL	Freestanding	**16466-046**	217.85	1675.76
2.0 mL	Freestanding	**16466-058**	217.85	1675.76
			217.85	1675.76

VWR® Slick Disposable Microcentrifuge Tubes, Polypropylene

- Tubes feature flat caps and frosted areas on the sides for easy labeling
- Leakproof snap caps may be penetrated by a syringe
- RNase- and DNase-free
- Additional colors and volumes available on vwr.com

Volume, mL	Color	Packaging	Cat. No.	Pack of	Case/10 Packs
0.5	Natural	Box	**20170-315**	500/ 75.92	584.08
1.7	Natural	Box	**20170-650**	250/ 34.29	263.96

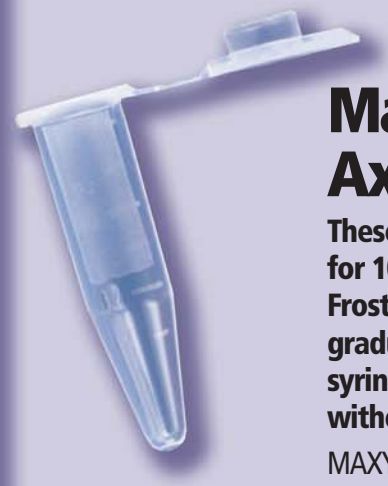
VWR Liquid Handling Solutions Online!

Visit the Liquid Handling section under programs at vwr.com for information on products, suppliers, and product literature.

VWR® Microcentrifuge Tubes

- Autoclavable
- Temperature range is –80 to 121°C
- Maximum RCF is 25,000 *g*
- Certified RNase-, DNase-, PCR inhibitor-, pyrogen-, and human DNA-free
- Polypropylene tubes fit all standard rotors
- Rainbow packs consist of red, blue, green, yellow, and purple tubes
- Additional colors and volumes available on vwr.com

Color	Cat. No.	Pack of	Case/10 Packs
0.65 mL Tubes			
Natural	**87003-290**	1000/ 55.52	486.99
Rainbow Pack	**87003-292**	1000/ 71.55	550.42
1.7 mL Tubes			
Natural	**87003-294**	500/ 36.94	324.15
Rainbow Pack	**87003-296**	500/ 42.78	375.40
2.0 mL Tubes			
Natural	**87003-298**	400/ 51.71	453.69
Rainbow Pack	**87003-300**	400/ 51.72	453.80



MaxyClear® Microcentrifuge Tubes, Axygen Scientific

These copolymer tubes feature ultra-smooth conical bottoms, which allow for 100% visibility and no sharp "gates" to cause cuts and scratches. Frosted side surface area for writing. Extremely accurate and visible graduation markings. Thin membrane in cap middle for penetration by syringes. Diamond polished molds allow tubes to be manufactured without contaminating releasing fluids.

MAXYMum Recovery® tubes feature an ultra-smooth surface completely free of occlusions and cavities, virtually eliminating sample retention while improving accuracy.

Tubes are autoclavable at 121°C (250°F), under 15 psi for 10–15 minutes with drying. Remove from autoclave immediately. Excessive exposure to autoclaving heat may cause warping or decreased structural integrity. Certified RNase-, DNase-, and pyrogen-free.

Additional colors and volumes available on vwr.com

Maximum RCF: 20,000 *g*

Color	Axygen No.	Cat No.	Pack of	Case/10 Packs
0.6 mL Microtubes				
Clear	MCT-060-C	**10011-680**	1000/ 52.64	461.19
Clear*	MCT-060-C-S	**10011-682**	500/ 57.16	500.84
Clear†	MCT-060-L-C	**22234-042**	500/ 38.56	337.82
1.7 mL Microtubes				
Clear	MCT-175-C	**10011-722**	500/ 27.50	240.93
Clear*	MCT-175-C-S	**10011-724**	250/ 30.69	268.86
Clear†	MCT-175-L-C	**22234-046**	250/ 22.22	194.70

*Presterilized.

†MAXYMum Recovery tubes.

Boil-Proof Microcentrifuge Tubes, Axygen Scientific

- Certified RNase-, DNase-, and pyrogen-free
- Clear with ultra-smooth conical bottom
- Autoclavable
- Frosted side surface area for writing with visible graduation markings
- MAXYMum Recovery® tubes feature an ultra-smooth surface completely free of occlusions and cavities, virtually eliminating sample retention while improving accuracy
- Maximum RCF: 20,000 *g*
- Additional colors and volumes available on vwr.com

Description	Axygen No.	Cat. No.	Pack of	Case of
1.5 mL Microtubes				
Nonsterile	MCT-150-C	**10011-700**	500/ 25.74	225.58
Presterilized	MCT-150-C-S	**10011-702**	250/ 29.34	257.08
MAXYMum Recovery	MCT-150-L-C	**22234-044**	250/ 29.18	255.72
2.0 mL Microtubes				
Nonsterile	MCT-200-C	**10011-742**	500/ 28.67	251.18
Presterilized	MCT-200-C-S	**10011-744**	250/ 31.51	276.03
MAXYMum Recovery	MCT-200-L-C	**22234-048**	250/ 22.22	194.74

VWR® SuperClear™ Ultra-High Performance Centrifuge Tubes with Flat or Plug Caps, Polypropylene

- Thick-Wall Construction for High-Speed Operation
- Leakproof
- Available in Earth Friendly® Recyclable Racks
- RNase-, DNase-, and Endotoxin-Free
- Validated ISO 11137 Sterile Process

These popular conical-bottom centrifuge tubes are made of ultra-clear polypropylene copolymer. They feature printed graduations and smooth inner walls for easy filling and sample preparation. Printed writing area on side allows for permanent coding. Autoclavable at 122°C. Freezable to –90°C.

Caps are available in two styles: flat, with a smooth surface for additional labeling options, and plug style for a secure seal when using shakers and horizontal incubators. All caps are made of high-density polyethylene and are not autoclavable separate from tubes.

Dimensions:
15 mL Tubes: 17 dia. x 118L mm
50 mL Tubes: 29 dia. x 115L mm

Recyclable paper tube racks/ 50mL rated to 20,000 *g* 15 mL rated to 17,500 *g*

Volume, mL	Sterility	Packaging	Cat. No.	Case of 500
Tubes with Flat Caps				
15	Nonsterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	**21008-089**	205.89
15	Nonsterile	50/Bag, 10 Bags/Case	**21008-214**	187.88
15	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	**21008-103**	227.40
15	Sterile	50/Bag, 10 Bags/Case	**21008-216**	206.37
50	Nonsterile	25/Rack, 20 Racks/Case	**21008-169**	250.82
50	Nonsterile	50/Bag, 10 Bags/Case	**21008-240**	197.87
50	Sterile	25/Rack, 20 Racks/Case	**21008-178**	279.40
50	Sterile	50/Bag, 10 Bags/Case	**21008-242**	263.94
Tubes with Plug Caps				
15	Nonsterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	**93000-024**	197.19
15	Nonsterile	50/Bag, 10 Bags/Case	**93000-020**	180.96
15	Sterile	25/Rack, 2 Racks/Pack, 10 Packs/Case	**93000-026**	214.50
15	Sterile	50/Bag, 10 Bags/Case	**93000-022**	191.50
50	Nonsterile	25/Rack, 20 Racks/Case	**93000-034**	238.92
50	Nonsterile	50/Bag, 10 Bags/Case	**93000-030**	188.47
50	Sterile	25/Rack, 20 Racks/Case	**93000-036**	246.47
50	Sterile	50/Bag, 10 Bags/Case	**93000-032**	198.91
Freestanding Tubes with Flat Caps				
50	Nonsterile	500/Bag, Bulk	**82018-052**	
50	Sterile	50/Bag, 10 Bags/Case	**82018-050**	

NEW!

VWR® Metal-Free Centrifuge Tubes

- Polypropylene tubes and polyethylene caps are made of ultra-high purity CFR 21 compliant resins
- Certified free of major critical trace metals to less than 1 ppb
- Sterile
- Printed graduation marks
- Large white marking spot

Volume, mL	Packaging	Cat. No.	Case of 500
15	Bulk Bag	**89049-170**	203.14
15	SBS Recyclable Rack	**89049-172**	230.64
50	Bulk Bag	**89049-174**	211.60
50	SBS Recyclable Rack	**89049-176**	266.62

VWR® High-Performance Centrifuge Tubes with Flat or Plug Caps, Polypropylene, Sterile

NEW! Reusable, Recyclable, Freezable, Autoclavable, Interlocking Rack

- Clear Polypropylene Construction
- Available in Reusable, Freezable, Autoclavable Racks
- FDA CFR 21 Compliant
- Easy-to-Read, Black, Printed Graduations
- RNase-, DNase-, and Endotoxin-Free
- Validated ISO 11137 Sterile Process

These disposable conical-bottom and freestanding tubes feature black printed graduations and smooth inner walls for easy filling and sample preparation. A white printed writing area on the side allows for permanent coding. Rack-packed tubes are packaged in freezable, recyclable, autoclavable racks. The interlocking design of each polypropylene rack makes them ideal for benchtop organization. Tubes are sterilized by gamma irradiation. Tubes and caps are autoclavable and freezable.

Caps are available in two styles: flat, with a smooth surface for additional labeling options, and plug style for a secure seal when using shakers and horizontal incubators. All caps are made of purple high-density polyethylene. Racks are available separately. See vwr.com for full list of polypropylene racks in assorted colors.

Maximum RCF: 12,500 *g*
Operating Temperature Range: 0 to 40°C (32 to 104°F)
Storage Temperature Range: –80 to 40°C (–112 to 104°F)

Description	Packaging	Cat. No.		
Conical-Bottom Centrifuge Tubes				
15 mL Tubes with Flat Caps	50/Bag	**89039-664**	10 Bags/	182.94
15 mL Tubes with Flat Caps	50/Rack	**89039-666**	10 Racks/	201.38
15 mL Tubes with Plug Caps	50/Bag	**89039-668**	10 Bags/	168.36
15 mL Tubes with Plug Caps	50/Rack	**89039-670**	10 Racks/	189.92
50 mL Tubes with Flat Caps	50/Bag	**89039-656**	10 Bags/	235.27
50 mL Tubes with Flat Caps	25/Rack	**89039-658**	20 Racks/	249.28
50 mL Tubes with Plug Caps	50/Bag	**89039-660**	10 Bags/	175.91
50 mL Tubes with Plug Caps	25/Rack	**89039-662**	20 Racks/	221.22
Freestanding Centrifuge Tubes				
50 mL Tubes with Plug Caps	Bulk	**89079-490**	500/	163.99
50 mL Tubes with Plug Caps	50/Bag	**89079-492**	10 Bags/	248.64
50 mL Tubes with Plug Caps	25/Rack	**89079-494**	20 Racks/	274.01

VWR® Ultra High Performance Light Sensitive Centrifuge Tubes, Sterile

Designed to provide protection for light sensitive samples, these centrifuge tubes are manufactured from dark amber polypropylene. The sterile tubes feature a printed labeling area for quick and convenient sample identification. High-density polyethylene caps are included. Tubes are available in 15 or 50 mL sizes, and are offered in a variety of packaging formats. All tubes and caps are autoclavable.

NEW! Never wrap tubes with foil again!

Volume, mL	Sterility	Packaging	Cat. No.	Case of	
15	Nonsterile	Bulk	**89079-538**	500/	189.38
15	Sterile	50/Bag, 10 Bags/Case	**89079-540**	500/	238.06
15	Sterile	25/Rack, 40 Racks/Case	**89079-542**	1000	269.80
50	Nonsterile	Bulk	**89079-532**	500/	220.06
50	Sterile	50/Bag, 10 Bags/Case	**89079-534**	500/	251.80
50	Sterile	25/Rack, 20 Racks/Case	**89079-536**	500/	301.54

Conical-Bottom Centrifuge Tubes, Axygen Scientific

Polypropylene tubes feature printed graduations and a writing area for sample identification. Caps may be closed with one hand. The 15 mL tubes can be centrifuged to 7500 *g*; the 50 mL tubes can be centrifuged to 9400 *g*. Tubes are autoclavable.

Volume, mL	Packaging	Axygen No.	Cat. No.	Case of 500	
Conical-Bottom Centrifuge Tubes					
15	Bulk	SCT-15ML-500	**89005-586**		159.91
15*	25/Rack, 20 Racks/Case	SCT-15ML-R-S	**89005-598**		194.32
15*	25/Bag, 20 Bags/Case	SCT-15ML25-S	**89005-622**		184.89
50	Bulk	SCT-50ML-500	**89005-592**		172.34
50*	25/Rack, 20 Racks/Case	SCT-50ML-R-S	**89005-588**		254.00
50*	25/Bag, 20 Bags/Case	SCT-50ML25-S	**89005-624**		170.09
Conical-Bottom Centrifuge Tubes, Self-Standing					
50	Bulk	SCT-50SS-500	**89005-594**		156.70
50*	25/Bag, 20 Bags/Case	SCT-50-SS-25	**89005-590**		253.98
50*	25/Bag, 20 Bags/Case	SCT-50SS-25S	**89005-626**		170.12

*Sterile.

Reduce occurence of repetitive stress injuries

Comfortable, extended, curved finger rest

NEW! Lighter plunger forces

VWR Signature™ Ergonomic High-Performance Single-Channel Pipettors

- **Reduction in plunger forces by as much as 40%**
- **New easy-turn volume adjustment with lock**
- **Superior accuracy and precision for critical applications**

The Ergonomic High-Performance series of pipettors provides superior accuracy and precision for repeatably reliable results. Innovative new ergonomic design features allow for consistently comfortable pipetting, even throughout extended use. An extended, curved finger rest allows the pipettor to be comfortably balanced on the index finger, and both plunger and volume adjustment forces have been significantly reduced to eliminate the strain of repetitive pipetting. Volume setting is continuously adjustable using either the micrometer wheel or dispenser button. A locking mechanism prevents accidental volume shift while the instrument is in use.

EHP pipettors are available with or without a tip ejector. To accommodate a wide variety of tips, the easy grip ejector system provides adjustment of the ejector height. The stainless steel construction of the ejector prevents corrosion and bending. A padded grip is fitted onto the top of the ejector arm for easy removal. The lower portion of the arm fits tightly around the pipettor shaft for access to the bottom of the narrowest tubes.

These lightweight, durable pipettors are fully autoclavable and supplied with a tool for in-lab calibration.

For fixed volume pipettors and racks, see vwr.com.

Volume	Cat. No.	Each
0.2–2 µL	**89079-960**	290.38
0.5–10 µL	**89079-962**	290.38
2–20 µL	**89079-964**	280.26
5–50 µL	**89079-966**	280.26
10–100 µL	**89079-968**	280.26
20–200 µL	**89079-970**	280.26
50–250 µL	**89079-972**	280.26
100–1000 µL	**89079-974**	280.26
1–5 mL	**89079-976**	280.26
1–10 mL	**89079-978**	304.91
		315.07

VWR Signature™ Ergonomic High-Performance Multichannel Pipettors

- Curved ejector bar requires less ejection force
- Fully autoclavable
- Individually spring loaded tip cones prevent tip jamming
- Available in eight- and twelve-channel
- Significantly reduced plunger and volume adjustment forces

Volume Range, µL	Accuracy, %	Precision, %	Cat. No.	Each
8-Channel Pipettors				623.97
0.5–10	±8.0–2.0	≥8.0–2.0	**89079-944**	623.97
5–50	±4.0–1.6	≥4.0–1.6	**89079-946**	623.97
20–200	±2.0–1.0	≥1.5–0.8	**89079-948**	623.97
50–300	±1.6–1.0	≥1.5–0.8	**89079-950**	
12-Channel Pipettors				751.65
0.5–10	±8.0–2.0	≥8.0–2.0	**89079-952**	751.65
5–50	±4.0–1.6	≥4.0–1.6	**89079-954**	751.65
20–200	±2.0–1.0	≥1.5–0.8	**89079-956**	751.65
50–300	±1.6–1.0	≥1.5–0.8	**89079-958**	

VWR Signature™ Ergonomic High-Performance Single-Channel Pipettors Starter Kits

- Reduction in plunger forces by as much as 40%
- New easy-turn volume adjustment with lock
- Superior accuracy and precision for critical applications

Standard Starter Kit includes three pipettors (2–20 µL, 20–200 µL, and 100–1000 µL), two racks of VWR Signature pipettor tips, and a three position shelf clip. The Micro Starter Kit includes three pipettors (0.2–2 µL, 0.5–10 µL, and 10–100 µL), two racks of VWR Signature pipettor tips, and a three position shelf clip. The Promotional Pack includes four pipettors (0.5–10 µL, 2–20 µL, 10–100 µL, and 20–200 µL), three racks of Axygen pipettor tips, and a six position linear stand.

Description	Cat. No.	Each
Standard Starter Kit	**89080-000**	688.87
Micro Starter Kit	**89080-002**	730.83
Promotional Pack	**89080-004**	874.74

Includes a three position shelf clip

VWR Signature™ Single-Channel Variable Volume Electronic Pipettors

- Exceptional accuracy and precision with six operational modes
- Simple, one-handed operation
- Fully motorized piston, perfect for multi-dispensing
- For accessories, see vwr.com

Volume, µL	Increments, µL	Accuracy, %	Precision, %	Cat. No.	Each
0.5–10	0.1	±4–1	±2.5–0.4	**89000-516**	426.13
2–20	0.1	±5–1	±2–0.3	**89000-522**	426.13
10–200	1	±2–0.6	±1–0.15	**89000-528**	426.13
100–1200	1	±1.5–0.5	±0.6–0.15	**89000-534**	426.13
Accessory					
Replacement Lithium-Ion Battery	—	—		**89000-564**	31.00

VWR Signature™ Multichannel Electronic Variable Volume Pipettors

- Fully motorized piston drive requires minimal force
- Six operational modes, including serial dilutions and sequential dispensing
- Ergonomically designed to fit comfortably in the right or left hand
- VWR two-year limited warranty
- For accessories, see vwr.com

Volume, µL	Increments, µL	Accuracy, %	Precision, %	Cat. No.	Each
8-Channel Pipettors					
0.5–10	0.1	±4–1	±2.5–0.4	**89000-540**	688.86
2–20	0.1	±5–1	±2–0.3	**89000-546**	688.86
10–200	1	±2–0.6	±1–0.15	**89000-552**	688.86
100–1200	1	±1.5–0.5	±0.6–0.15	**89000-558**	806.21
12-Channel Pipettors					
0.5–10	0.1	±4–1	±2.5–0.4	**89000-656**	840.76
2–20	0.1	±5–1	±2–0.3	**89000-662**	840.76
10–200	1	±2–0.6	±1–0.15	**89000-668**	840.76
100–1200	1	±1.5–0.5	±0.6–0.15	**89000-674**	919.21

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

mLINE® Single-Channel Mechanical Pipettors, Variable Volume, Biohit®

Sturdy yet lightweight pipettors meet the strictest performance, ergonomic, and safety criteria. Unique loading mechanism allows tip to be loaded with constant force. This ensures the tip is correctly sealed and can be ejected with minimum force. Thermal insulation of internal components provides improved accuracy. The fast, light, stepless volume adjustment and small increments allow optimal precision.

Pipettors feature a clear display with large, easy-to-read numbers. Counter locking mechanism prevents accidental volume changes during pipetting. Volume range color coding, ID tag, and color coding caps allow easy pipettor identification.

Pipettors are easy to calibrate with the included calibration tool, which can also be used as a tube cap opener. Easy cleaning and maintenance without an opening tool. Fully autoclavable. Linear stand **80087-478** is suitable for all Biohit mechanical and electronic pipettors.

Pipettors are supplied with a calibration tool and safe-cone filters. For fixed-volume pipettors, see vwr.com.

Lightest plunger force available

Clear display with large, easy-to-read numbers

Volume	Increments, µL	Accuracy, %	Precision, %	Biohit No.	Cat. No.	Each
0.1–3 µL	0.002	±10.0–1.3	±6.0–0.8	725010	**14005-976**	318.79
0.5–10 µL	0.01	±5.00–1.00	±4.00–0.60	725020	**47745-544**	326.52
2–20 µL	0.02	±3.00–0.90	±2.00–0.40	725030	**47745-545**	326.52
10–100 µL	0.1	±2.00–0.80	±1.00–0.15	725050	**47745-546**	327.09
20–200 µL	0.2	±2.00–0.60	±0.80–0.15	725060	**47745-548**	327.09
100–1000 µL	1	±1.00–0.60	±0.40–0.20	725070	**47745-550**	327.09
0.5–5 mL	10	±2.00–0.50	±0.60–0.20	725080	**47745-552**	327.09
Accessories						
Carousel Stand, Holds up to 6 Pipettors			—	725600	**47746-178**	125.46
Linear Stand, Holds up to 11 Pipettors			—	725620	**80087-478**	115.83

mLINE® Multichannel Mechanical Pipettors, Variable Volume, Biohit®

- Sturdy yet lightweight pipettors meet the strictest performance, ergonomic, and safety criteria
- Stepless volume adjustment and small increments allow optimal precision
- Fully autoclavable
- For fixed-volume pipettors, see vwr.com

Unique loading mechanism allows tip to be loaded with constant force

Volume, µL	Accuracy, %	Precision, %	Biohit No.	Cat. No.	Each
8-Channel					
0.5–10	±4.0 at 1 µL, ±1.5 at 10 µL	±4.0 at 1 µL, ±1.0 at 10 µL	725120	**47745-554**	745.81
5–100	±3.0 at 10 µL, ±0.7 at 100 µL	±1.5 at 10 µL, ±0.25 at 100 µL	725130	**47745-556**	745.81
30–300	±2.0 at 30 µL, ±0.6 at 300 µL	±1.0 at 30 µL, ±0.25 at 300 µL	725140	**47745-558**	745.81
12-Channel					
0.5–10	±4.0 at 1 µL, ±1.5 at 10 µL	±4.0 at 1 µL, ±1.0 at 10 µL	725220	**47745-560**	908.78
5–100	±3.0 at 10 µL, ±0.7 at 100 µL	±1.5 at 10 µL, ±0.25 at 100 µL	725230	**47745-562**	908.78
30–300	±2.0 at 30 µL, ±0.6 at 300 µL	±1.0 at 30 µL, ±0.25 at 300 µL	725240	**47745-564**	908.78

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

mLINE® Single-Channel Pipettor Starter Kits, Biohit®

The 3-pipettor kit contains three single-channel manual pipettors in each of the following ranges: 2–20 µL, 20–200 µL, and 100–1000 µL. The 4-pipettor kit contains four single-channel manual pipettors in each of the following ranges: 0.5–10 µL, 2–20 µL, 20–200 µL, 100–1000 µL. Kits also include one rack of 0.5–300 µL tips and one rack of 10–1000 µL tips.

Description	Biohit No.	Cat. No.	Each
3-Pipettor Kit	725910	**80078-987**	956.29
4-Pipettor Kit	725920	**80078-989**	1275.24

Proline® Plus Single-Channel Pipettors, Biohit®

Lightweight and easy-to-use pipettors are suitable for all types of routine laboratory applications. Instruments are resistant to UV light and most commonly used chemicals. Fully autoclavable pipettors are simple to decontaminate. No tools are required to dismantle the device, and only three to four parts need to be cleaned. Ideal for laboratories with several researchers, these flexible instruments are suitable for both right- and left-handed users. They are compatible with a wide range of tips and most commonly used lab tubes, thanks to slim tip ejector collar. Color-coded. CE/IVD marked.

Lightweight and ergonomic

Slim tip ejector collar

Volume	Accuracy, ≥ %	Precision, ≥%	Biohit No.	Cat. No.	Each
0.5–10 µL	5.0–1.0	4.0–0.6	728020	**89082-276**	256.27
0.1–3 µL	10–1.3	6.0–0.8	728010	**89082-274**	256.27
2–20 µL	3.0–0.9	2.0–0.4	728030	**89082-278**	256.27
10–100 µL	2.0–0.8	1.0–0.15	728050	**89082-280**	256.27
20–200 µL	2.0–0.6	0.8–.15	728060	**89082-282**	256.27
100–1000 µL	1.0–0.6	0.4–0.2	728070	**89082-284**	256.27
500–5000 µL	2.0–0.5	0.6–0.2	728080	**89082-286**	256.27
1–10 mL	3.0–0.6	0.6–0.2	728090	**89082-288**	256.27

Proline® Plus Multichannel Pipettors, Biohit®

- Suitable for all types of routine laboratory applications
- Light and easy to use
- Resistant to UV light and most commonly used chemicals
- Fully autoclavable
- Easy to decontaminate; no opening tools are needed and only 3–4 parts need to be cleaned
- Suitable for both left- and right-handed users
- Compatible with a wide range of tips and most commonly used lab tubes thanks to slim tip ejector collar
- Color coded
- CE/IVD marked
- For fixed-volume pipettors, see vwr.com

Compatible with a wide range of tips

Volume	Accuracy, ≥%	Precision, ≥%	Biohit No.	Cat. No.	Each
8-Channel Pipettors					
0.5–10	4.0–1.5	4.0–1.0	728120	**89082-290**	587.92
10–100	3.0–0.7	1.5–0.25	728130	**89082-292**	587.92
30–300	2.0–0.6	1.0–0.25	728140	**89082-294**	587.92
12-Channel Pipettors					
0.5–10	4.0–1.5	4.0–1.0	728220	**89082-296**	718.57
10–100	3.0–0.7	1.5–0.25	728230	**89082-298**	718.57
30–300	2.0–0.6	1.0–0.25	728240	**89082-300**	718.57

Proline® Plus Single-Channel Pipettor Starter Kits, Biohit®

Three-pipettor kit contains 2–20, 20–200, and 100–1000 µL pipettors. Four-pipettor kit includes 0.5–10, 2–20, 20–200, and 100–1000 µL pipettors. Both kits include tips, a Biohit backpack, and a redemption form for free item of your choice.

Description	Biohit No.	Cat. No.	Each
3-Pipettor Kit	728910	**89082-328**	768.82
4-Pipettor Kit	728920	**89082-330**	1025.10

NEW!

eLINE® Single-Channel Electronic Pipettors, Variable Volume, Biohit®

- Pipettors combine analytical performance and ergonomic innovation into a user-friendly package for both left- and right-handed users
- Easy-to-read display and a simple-to-operate keyboard
- Eleven pipetting modes include forward pipetting with optional cycle counting, reverse pipetting, manual pipetting, multi-dispensing, diluting, automated dispensing, and mixing
- Electronic ejection system enables user to discard a used tip at the touch of a button
- Include AC adapter

Simple-to-operate keyboard

Volume	Accuracy, %	Precision, %	Biohit No.	Cat. No.	Each
0.2–10 µL	±12.0–0.90	±10.0–0.40	730022	**14220-578**	700.04
5–120 µL	±3.50–0.40	±1.50–0.15	730042	**14212-006**	700.04
10–300 µL	±3.50–0.40	±2.00–0.15	730062	**14212-008**	700.04
50–1000 µL	±2.00–0.40	±1.00–0.15	730082	**14212-010**	700.04
0.1–5 mL	±1.00–0.50	±0.40–0.15	730102	**14220-576**	700.04

eLINE® Multichannel Electronic Pipettors, Variable Volume, Biohit®

- Pipettors combine analytical performance and ergonomic innovation into a user-friendly package for both left- and right-handed users
- Eleven pipetting modes include forward pipetting with optional cycle counting, reverse pipetting, manual pipetting, multi-dispensing, diluting, automated dispensing, and mixing
- Electronic ejection system enables the user to discard a used tip at the touch of a button

Discard used tips at the touch of a button

Volume, µL	Inc., µL	Accuracy, %	Precision, %	Biohit No.	Cat. No.	Each
8-Channel Pipettors with AC Adapter						
0.2–10	0.05	±4.0 at 1 µL, ±0.9 at 10 µL	±3.0 at 1 µL, ±0.5 at 10 µL	730322	**47745-582**	1228.56
5–120	0.5	±2.0 at 12 µL, ±0.5 at 120 µL	±1.5 at 12 µL, ±0.2 at 120 µL	730342	**47745-584**	1084.17
10–300	1.0	±2.0 at 30 µL, ±0.5 at 300 µL	±1.0 at 30 µL, ±0.2 at 300 µL	730362	**47745-586**	1084.17
50–1200	5.0	±2.5 at 120 µL, ±0.5 at 1200 µL	±1.0 at 120 µL, ±0.2 at 1200 µL	730392	**47745-588**	1228.56
12-Channel Pipettors with AC Adapter						
0.2–10	0.05	±4.0 at 1 µL, ±0.9 at 10 µL	±3.0 at 1 µL, ±0.5 at 10 µL	730422	**47745-590**	1346.74
5–120	0.5	±2.0 at 12 µL, ±0.5 at 120 µL	±1.5 at 12 µL, ±0.2 at 120 µL	730442	**47745-592**	1294.69
10–300	1.0	±2.0 at 30 µL, ±0.5 at 300 µL	±1.0 at 30 µL, ±0.2 at 300 µL	730462	**47745-594**	1217.74
50–1200	5.0	±2.5 at 120 µL, ±0.5 at 1200 µL	±1.0 at 120 µL, ±0.2 at 1200 µL	730492	**47745-596**	1346.74

BRAND Transferpette® S Single-Channel Pipettor BrandTech

Transferpette S pipettors deliver an exceptional level of comfort and performance that results from increased attention to ergonomic, operational, and material innovations. Advanced materials are utilized to achieve a robust yet lightweight, corrosion-resistant design. These are ideal manual pipettors for demanding laboratory applications run by operators who prefer a center piston-button design.

The Transferpette S offers simple one-handed operation of all functions. An easily adjustable volume-setting wheel is accessible without shifting hand position, while a convenient brake securely sets the selected volume. The four-digit volume display is always visible. The 12.5 mm pipetting stroke requires the shortest range of motion available. Pipettors also feature a slim, corrosion-resistant tip ejector, covered nameplate, and BRAND's Easy Calibration® technology (adjustable volume models only) for lasting reliability. Models do not require tools for calibration or disassembly. Pipettors are CE-IVD compliant and fully autoclavable at 121°C (250°F).

The accessory shelf/rack mount allows pipettors to conveniently rest on a shelf or rack. The carousel stand provides a convenient holding area and ready access for up to six pipettors.

Simple one-handed operation of all functions

Model	Volume, µL	Accuracy, ≥%	Precision, ≥%	BrandTech No.	Cat. No.	Each
Adjustable Volume Pipettors						
D-1	0.1–1	2	1.2	2704768	**89042-172**	310.45
D-10	0.5–10	1	0.5	2704770	**89042-174**	281.49
D-20	2–20	0.8	0.4	2704772	**89042-176**	281.49
D-100	10–100	0.6	0.2	2704774	**89042-178**	281.49
D-200	20–200	0.6	0.2	2704778	**89042-180**	281.49
D-1000	100–1000	0.6	0.2	2704780	**89042-182**	281.49
D-5000	500–5000	0.6	0.2	2704782	**89042-184**	281.49
D-10,000	1000–10,000	0.6	0.2	2704784	**89042-186**	281.49
Accessories						281.49
Shelf/Rack with Mount		—	—	704810	**89042-212**	
Carousel Stand		—	—	704805	**89042-214**	25.86
						123.12

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

BRAND Transferpette® S Single-Channel Pipettor Starter Kits, BrandTech

All starter kits include three pipettors, three shelf/rack mounts, and three boxes of appropriately sized tips.

Standard Set includes 0.5–10, 10–100, and 100–1000 µL pipettors. Micro Set includes 0.1–1, 0.5–10, and 100–1000 µL pipettors. Midsize Set includes 2–20, 20–200, and 100–1000 µL pipettors. Macro Set includes 100–1000, 500–5000, and 1000–10,000 µL pipettors.

For fixed volume pipettors, see vwr.com.

Description	Cat. No.	Each
Standard Set (D-10, D-100, and D-1000)	**89042-204**	677.86
Micro Set (D-1, D-10, and D-100)	**89042-206**	677.86
Midsize Set (D-20, D-200, and D-1000)	**89042-208**	677.86
Macro Set (D-1000, D-5000, and D-10,000)	**89042-210**	677.86

BRAND Transferpette® S Multichannel Pipettors, BrandTech

- Pipettors feature central piston design and one-handed operation
- Completely autoclavable

Volume, µL	BrandTech No.	Cat. No.	Each
8-Channel Pipettors			
0.5–10	2703700	**89080-126**	673.12
5–50	2703706	**89080-128**	673.12
10–100	2703708	**89080-130**	673.12
20–200	2703710	**89080-132**	673.12
30–300	2703712	**89080-134**	673.12
12-Channel Pipettors			
0.5–10	2703720	**89080-136**	673.12
5–50	2703726	**89080-138**	833.87
10–100	2703728	**89080-140**	833.87
20–200	2703730	**89080-142**	833.87
30–300	2703732	**89080-144**	833.87

NEW!

Central piston design

8- or 12-channel

Nichipet EX Digital Micropipettors, Nichiryo America

NEW to VWR

Lightweight, brightly colored digital models are designed for the precise and accurate pipetting of solutions and reagents, as well as other liquid handling applications. Available in eight different sizes covering a volume range of 0.1 µL to 10 mL, these pipettors offer enhanced UV resistance and an enlarged finger rest to reduce fatigue. A smooth, continuous, and adjustable micrometer replaces standard click-stop versions, allowing desired volumes to be dialed in for precise measurement. Pipettors also feature an easy and convenient single hand locking lever. The 1000 µL, 5000 µL, and 10 mL models are equipped with filtered nozzles. All models 200 µL and larger are equipped with ceramic pistons to reduce corrosion. Each pipettor is completely autoclavable.

Compatible tips are certified RNase- and DNase-free, and are designed to fit Nichiryo pipettors exclusively. The rotary pipette stand is designed to provide safe and convenient storage for up to six pipettors. Tips and stand sold separately.

A smooth, continuous, adjustable micrometer for precise measurement

Volume Range, µL	Increments, µL	Accuracy, %	Precision, %	Cat. No.	Each
0.1–2	0.002	±5.0–3.0	<2.5–1.0	**89078-406**	285.60
0.5–10	0.01	±5.0–1.0	<3.0–0.5	**89078-408**	280.50
2–20	0.02	±5.0–1.0	<3.0–0.4	**89078-410**	280.50
10–100	0.1	±2.0–0.8	<1.0–0.3	**89078-412**	280.50
20–200	0.2	±1.0–0.8	<0.5–0.2	**89078-414**	280.50
100–1000	1.0	±1.0–0.7	<0.5–0.2	**89078-416**	280.50
1000–5000	10.0	±1.0–0.6	<0.3–0.2	**89078-418**	280.50
1000–10,000	10.0	±2.0–0.4	<0.4–0.2	**89078-420**	285.60
Accessory					
Rotary Pipettor Stand		—		**89078-422**	285.60

53.04

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

NEW!

Soft ergonomically contoured handle

SoftGrip® Adjustable Volume Manual Pipettors, Hamilton

This 0.2 µL–1 mL range of adjustable volume pipettors is designed with an emphasis on minimizing hand strain, fatigue, and injuries that commonly result from repetitive pipetting procedures. The soft ergonomic shape and low plunger forces of the SoftGrip series significantly reduce discomfort in the hand and wrist over prolonged use. The ergonomically contoured handle assures a relaxed grip, while a sloped plunger button reduces thumb extension. The magnified precision micrometer ensures reproducible, accurate volume settings, and an isolated volume adjustment ring prevents unintended volume changes. Multi-point color coding allows for quick and easy volume identification.

All devices are completely autoclavable for easy decontamination and sterilization without the need for recalibration. Pipettors are factory calibrated with standards traceable to NIST, and shipped with a certificate of calibration documenting the device's accuracy and precision.

The small volume pipettor kit contains one each of 2, 10, and 100 µL single-channel adjustable pipettors. The large volume pipettor kit contains one each of 100, 300, and 1000 µL single-channel pipettors. The full range pipettor kit contains one each of 2, 10, 100, and 1000 µL single-channel pipettors. All kits include a six-position pipettor carousel.

Volume Range	Increments, µL	Accuracy, %	Precision, %	Hamilton No.	Cat. No.	Each
0.2–2 µL	0.002	±8.0–1.2	+4.0–0.6	55019-30	**89050-650**	294.97
1–10 µL	0.02	±2.5–0.8	+1.2–0.4	55019-32	**89050-652**	294.97
2.5–25 µL	0.02	±4.5–0.8	+1.5–0.2	55019-34	**89050-654**	269.10
10–100 µL	0.2	±1.8–0.6	+0.7–0.15	55019-36	**89050-656**	269.10
30–300 µL	0.2	±1.2–0.4	+0.4–0.15	55019-38	**89050-658**	269.10
100 µL–1 mL	2.0	±1.6–0.3	+0.5–0.12	55019-40	**89050-660**	269.10
Pipettor Kits						
Small Volume Pipettor Kit		—	—	SSKIT-01	**89050-806**	619.96
Large Volume Pipettor Kit		—	—	SSKIT-02	**89050-808**	619.96
Full Range Pipettor Kit		—	—	SSKIT-03	**89050-810**	776.25

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

SoftGrip® Multichannel Manual Pipettors, Hamilton

This collection of multichannel pipettors is designed with an emphasis on minimizing hand strain, fatigue, and injuries that commonly result from repetitive pipetting procedures. The soft ergonomic shape and low plunger forces of the SoftGrip series significantly reduce discomfort in the hand and wrist over prolonged use. The ergonomically contoured handle assures a relaxed grip, while a sloped plunger button reduces thumb extension. The magnified precision micrometer ensures reproducible, accurate volume settings, and an isolated volume adjustment ring prevents unintended volume changes. Lever-action tip ejector assures that tips are entirely ejected with a single stroke. Multi-point color coding allows for quick and easy volume identification.

All devices are completely autoclavable for easy decontamination and sterilization without the need for recalibration. Pipettors are factory calibrated with standards traceable to NIST, and shipped with a certificate of calibration documenting the device's accuracy and precision.

Additional volumes available on vwr.com.

Sloped plunger button reduces thumb extension

Volume Range, µL	Increments, µL	Accuracy, %	Precision, %	Hamilton No.	Cat. No.	Each
8-Channel Pipettors						
5–50	0.02	±2.0–0.8	+2.0–0.35	55019-50	**89050-682**	703.79
30–300	0.2	±1.2–0.5	+0.7–0.3	55019-52	**89050-684**	703.79
12-Channel Pipettors						
5–50	0.02	±5.0–1.0	+2.0–0.5	55019-54	**89050-686**	827.99
30–300	0.2	±2.4–1.0	+1.2–0.5	55019-56	**89050-688**	827.99

For robotic and automation pipet tips including VWR, Axygen, and Beckman Coulter®, visit vwr.com.

Ovation® 10 mL Macro Single-Channel Electronic Pipettors, VistaLab

Simple recall of volumes, speeds, and repetitions

- **Comfortable, ergonomic alternative to serological or volumetric pipets**
- **Excellent accuracy and precision**
- **Fast, easy repeat dispensing**
- **Simple recall of volumes, speeds, and repetitions**
- **Seamlessly switch between macro and serological pipettor tips**

The ideal device for repetitive pipetting of volumes over 1mL, particularly in tight quarters. A relaxed grip design, low weight, and the ease of electronic operations facilitates repetitive pipetting applications, even over extended periods of use.

Pipettors are fully electronic, with a broad pipetting range of 0.2–10 mL. Available in right or left-handed models, each pipettor allows rapid, accurate, and precise repeatable dispensing in addition to a host of other essential liquid handling functions. Setup and recall of volumes, speeds, repetitions, and other settings are easily determined by push-button functions. Tips simply click into place, and may be ejected at the push of a button, eliminating the inconveniences associated with traditional serological pipetting.

A full line of standard, sterile, and sterile filtered tips in VistaClear® recyclable packaging is also available. For occasions when extra length is needed for tall vessels, the device's unique nozzle can accommodate a serologic pipet, and provide the same precise delivery as VistaClear pipettor tips.

Description	VistaLab No.	Cat. No.		Price
Right-Handed Pipettor, 0.2–10 mL	1065-10ML	**89049-038**	Ea./	620.57
Left-Handed Pipettor, 0.2–10 mL	1065-10MLL	**89049-040**	Ea./	620.57
Pipettor Tips				
Bulk Packaging	4058-6000	**89049-042**	Pk. 100/	
VistaClear Packaging	4058-6100	**89049-044**	Pk. 35/	33.38
VistaClear Packaging, Sterile	4058-6102	**89049-046**	Pk. 35/	16.68
VistaClear Packaging, Filtered, Sterile*	4058-6133	**89049-048**	Pk. 35/	17.47
Replacement Part				27.38
Power Supply (Recharging Unit)	9060-9005	**89032-164**	Ea./	

*Certified RNase-, DNase-, and pyrogen-free.

33.04

VWR® Repeating Pipettor

- Classic mechanical repeater is accurate, reliable, easy to use
- Dispenses 29 different volumes from 1 to 5000 µL
- Ergonomically designed with a slender, ribbed handgrip and easily accessible plunger
- All liquid to be dispensed remains isolated in the tip, eliminating pipettor and crossover contamination

Description	Cat. No.	Each
Repeating Pipettor	**40000-260**	449.95

VWR® Combi-Syringes for Eppendorf® Repeater® Pipettor

- Syringes work with VWR, Eppendorf, BRAND, Gilson®, and Nichiryo repeating pipettors
- Manufactured from virgin polypropylene with a polyethylene inner plunger
- Each reservoir tip is graduated to indicate the total volume and the repetitive volumes that it can dispense
- Packed in recyclable cartons

Volume, mL	Pipetting Volumes, µL	Accuracy, %	Precision, %	Cat. No.	Pack of 100
Sterile Combi-Syringes					
0.05*	1, 2, 3, 4, 5	±2.5	±5.0–2.5	**40000-056**	260.77
0.5†	10, 20, 30, 40, 50	±0.8	±0.7–0.4	**40000-012**	168.20
1.25†	25, 50, 75, 100, 125	±0.8	±0.5–0.2	**40000-014**	168.20
2.5†	50, 100, 150, 200, 250	±0.7	±0.4–0.2	**40000-016**	168.20
5.0	100, 200, 300, 400, 500	±0.4	±0.3–0.2	**40000-018**	168.20
12.5	250, 500, 750, 1000, 1250	±0.3	±0.3–0.1	**40000-020**	168.20
25.0	500, 1000, 1500, 2000, 2500	±0.3	±0.2–0.1	**40000-054**	219.79
50.0	1000, 2000, 3000, 4000, 5000	±0.2	±0.2–0.1	**40000-022**	226.93
Nonsterile Combi-Syringes					
0.05*	1, 2, 3, 4, 5	±2.5	±5.0–2.5	**40000-058**	
0.5†	10, 20, 30, 40, 50	±0.8	±0.7–0.4	**40000-000**	216.24
1.25†	25, 50, 75, 100, 125	±0.8	±0.5–0.2	**40000-002**	131.26
2.5†	50, 100, 150, 200, 250	±0.7	±0.4–0.2	**40000-004**	131.26
5.0	100, 200, 300, 400, 500	±0.4	±0.3–0.2	**40000-006**	131.26
12.5	250, 500, 750, 1000, 1250	±0.3	±0.3–0.1	**40000-008**	131.26
25.0	500, 1000, 1500, 2000, 2500	±0.3	±0.2–0.1	**40000-052**	131.26
50.0	1000, 2000, 3000, 4000, 5000	±0.2	±0.2–0.1	**40000-010**	171.23
					183.44

*Results using a 10 µL pipettor tip attached.
†Results using a 200 µL pipettor tip attached.

Graduated reservoir tip indicates volume

Model 8100 Variable Repetitive Syringe Dispenser, Nichiryo America

- Dispenser provides 35 methods of liquid dispensing throughout the 1–5000 µL volume range
- Ergonomic design permits easy handling without fatigue
- Syringes are quickly and easily interchangeable
- Volume setting is conveniently adjustable by dial
- All syringes are autoclavable, except the 3 mL and 60 mL units

Save money with these reusable/ autoclavable syringes

Description	Volume, %	Accuracy, %	Precision, %	Nichiryo No.	Cat. No.		Price
Syringe Dispenser	—	—	—	8100	**89078-434**	Ea./	344.76
0.06 mL Syringe without Tip	1–5 µL	±2.5	<1.5–1.0	SG-V2	**89078-436**	Pk. 100/	199.92
0.6 mL Syringe with Tip	10–50 µL	±1.5	<1.0–0.8	SG-S	**89078-438**	Pk. 100/	98.94
1.5 mL Syringe with Tip	25–125 µL	±1.2	<0.9–0.6	SG-M	**89078-440**	Pk. 100/	98.94
1.5 mL Syringe without Tip*	—	—	—	SG-MP	**89078-442**	Pk. 100/	98.94
3.0 mL Syringe without Tip	50–250 µL	±1.0	<0.8–0.4	SG-N3	**89078-444**	Pk. 100/	99.96
6.0 mL Syringe without Tip	100–500 µL	±0.8	<0.6–0.3	SG-L	**89078-446**	Pk. 100/	98.94
15.0 mL Syringe without Tip	250–1250 µL	±0.8	<1.0–0.5	SG-Y	**89078-448**	Pk. 50/	64.26
60.0 mL Syringe without Tip†	1–5 mL	±1.0	<4.0–2.5	SG-Z	**89078-450**	Pk. 50/	89.76

*Includes a spacer in the nozzle specially designed for use with low liquid pressure microtiter plates.
†Includes one adaptor to mount syringe to dispenser handle.

Call 888-793-2300 for VWR Equipment & Instrument Services. See Page 28!

eLINE® Electronic Tip Dispenser, Biohit®

- For tip selection, electronic tip ejection, and contamination-free dispensing
- Volume range: 1 µL–50 mL
- Starter kit includes dispenser, charging stand, and selection of syringes
- Tip kit includes 20 of the following volumes: 0.5, 1.0, 2.5, 5.0, and 10.0 mL

Description	Biohit No.	Cat. No.		Price
Dispenser with Adapter	730702	**89039-752**	Ea./**1**	1106.34
Dispenser without Adapter	730700	**89039-750**	Ea./**1**	1083.34
Dispenser Starter Kit	730799	**89039-776**	Pk. 3/**1**	1175.80
Dispenser Tip Kit	792038	**89039-754**	Pk. 100/	126.18
Nonsterile Syringe Tips, 0.1 mL	792017	**89039-756**	Pk. 100/	116.42
Nonsterile Syringe Tips, 0.2 mL	792018	**89039-758**	Pk. 100/	116.42
Nonsterile Syringe Tips, 0.5 mL	792019	**89039-760**	Pk. 100/	116.42
Nonsterile Syringe Tips, 1 mL	792020	**89039-762**	Pk. 100/	116.42
Nonsterile Syringe Tips, 2.5 mL	792021	**89039-764**	Pk. 100/	116.42
Nonsterile Syringe Tips, 5 mL	792022	**89039-766**	Pk. 100/	116.42
Nonsterile Syringe Tips, 10 mL	792023	**89039-768**	Pk. 100/	116.42
Nonsterile Syringe Tips, 25 mL	792024	**89039-770**	Pk. 25/	116.42
Nonsterile Syringe Tips, 50 mL	792025	**89039-772**	Pk. 25/	116.42
				42.56
				44.13

VWR® Equipment & Instrument Services

VWR Equipment & Instrument Services provide a complete, fully compliant service for all of your pipettor calibration and certification needs. Services can be tailored to meet your specific requirements—either at your site or at our lab facility.

Contact us today at 888-793-2300 to discuss your service needs.

Description	Cat. No.	Price
GMP Level Calibration Services		
Single Channel	**VAS-PSLV1-01**	50.00
Multichannel	**VAS-PSLV1-02**	125.00
Economy Level Calibration Services		
Single Channel	**VAS-PSLV2-01**	38.00
Multichannel	**VAS-PSLV2-02**	85.00
Verification Services		
Single Channel	**VAS-PSLV3-01**	30.00
Multichannel	**VAS-PSLV3-02**	65.00
University/College Verification Services		
Single Channel	**VAS-PSLV4-01**	20.50
Multichannel (Only Central Channel Assessed)	**VAS-PSLV4-02**	28.00

VWR® Labmax™ Bottle-Top Dispensers

- Work with standard and organic solvents in one model
- Unique closed circuit air purging system
- Reagent guard valve prevents leakage
- Exclusive 360° swivel turn
- Quick, accurate volume adjustment
- Unique piston design
- For additional adapters and accessories, visit vwr.com

Volume, mL	Neck Size	Increments, mL	Cat. No.	Each
Standard Dispensers				
2–10	33 mm	0.20	**40000-064**	294.02
5–25	45 mm	0.50	**40000-066**	407.75
10–50	45 mm	1.0	**40000-068**	548.47
20–100	45 mm	2.0	**40000-070**	646.70
All-PTFE Dispensers for HF				
2–10	33 mm	0.20	**40000-065**	828.38
5–25	45 mm	0.50	**40000-067**	1121.29

ceramus® Bottle-Top Dispensers, Hirschmann

- Solid, 99.7% pure aluminum oxide ceramic plunger guarantees the highest degree of chemical resistance
- Internal step gauge and a click-stop micro-step volume adjustment dial are calibrated for the lifetime of the device
- Luer-lock connection for a filter or dry tube
- Complete device can be autoclaved
- Dispensers with preset volumes can be found on vwr.com

Volume, mL	Hirschmann No.	Cat. No.	Each
0.2–1	931200010	**83007-634**	[illegible]
0.4–2	932200010	**83007-638**	396.36
1–5	933200010	**83007-642**	396.36
2–10	934200010	**83007-646**	396.36
2–10*	9342300	**83007-658**	396.36
5–30	9352000	**83007-650**	1078.63
10–60	9362000	**83007-654**	554.88
			575.47

*For use with hydrofluoric acid.

ceramus®-classic Bottle-Top Dispensers, Hirschmann

- Solid, 99.7% pure aluminum oxide ceramic plunger guarantees the highest degree of chemical resistance
- Dispensers are equipped with a digital volume setting system
- Internal step gauge and a click-stop micro-step volume adjustment dial are calibrated for the lifetime of the device
- All components can be disassembled quickly and easily for cleaning, and can be autoclaved
- Dispensers with preset volumes can be found on vwr.com

Volume, mL	Hirschmann No.	Cat. No.	Each
0.4–2	932000010	**83007-614**	359.32
1–5	933000010	**83007-618**	359.32
2–10	934000010	**83007-622**	359.32
5–30	9350000	**83007-626**	512.68
10–60	9360000	**83007-630**	534.34

VWR® Pipet Controller

Ergonomically designed, lightweight, battery-operated hand pipettor provides quick and quiet aspiration and dispensing from 0.1–100 mL. Controller features one-handed continuous speed adjustment. The unique 40° angle thumb dial design allows the thumb to rest comfortably in a natural position during use. Contoured touch-sensitive buttons enable precise filling and dispensing. The compact size makes the controller ideal for pipetting in confined laminar hoods. Easy-to-read LED screen presents remaining power for the long-lasting rechargeable lithium ion battery. Accommodates glass or plastic pipets from 1–100 mL. Metallic blue housing. Controller also features an identification label for personalization.

Ordering Information: Supplied with power supply/transformer (110V/60Hz), sterile filter, and wall mount.

Description	Cat. No.	Each
Pipet Controller	**46102-252**	315.00
Accessory		
Battery Charger	**46102-278**	36.09

pipetus® Pipetting Device, Hirschmann

Ideal for use with "to deliver" and "blowout" pipets. The easily readable, color LCD panel displays the battery level and the selected pipetting mode and speed. The five-position speed adjustment key is used to select the ideal pipetting speed. Aspiration and dispensing speeds can be selected independently. The pump can aspirate 50 mL in less than seven seconds. The unit features a conical silicone adapter for a secure fit on all pipets and a hydrophobic 0.2 µm PTFE membrane filter. The exact adjusting of the meniscus is responsible for correct results and the pipetus pipettor features a draining/dosing valve, operated by touch-sensitive buttons, which precisely controls these adjustments.

The battery charging function is microprocessor-controlled, which prevents the batteries from being overcharged and eliminates the memory effect, which ensures that the battery will not remember its usual discharge point and superficially require a charge when it hits that point. Unit includes an inductive charging stand designed to keep the unit fully charged. The reusable, integral safety valve prevents any liquid from entering the handle and can easily be removed, cleaned, or if necessary replaced. The ergonomically designed handle is made of polyamide (nylon) 6. The nosepiece (without the filter) can be autoclaved at 121°C (250°F). The pump motor is low-noise and vibration-free.

Unit includes rechargeable cadmium-free Nickel Metal Hydride (NiMH) batteries, 120V charger, US plug, inductive charging stand, and safety check valve. Fully charged batteries can sustain continuous pipetting for up to 14 hours.

CE marked.

Description	Volume Range, mL	Hirschmann No.	Cat. No.	Each
pipetus Pipetting Device	0.1–200	9908200	**83007-692**	369.65

VWR® Disposable Reagent Reservoirs

Disposable reservoirs hold solutions for multichannel pipetting. They feature a trough design, graduation marks on interior walls, and pour-off spouts on each corner. Reservoirs are made of virgin modified polystyrene and accommodate all types of pipettors up to 12-channel width. These reservoirs feature a unique stacking feature that makes them easy to separate and remove. Available nonsterile or gamma-sterilized.

Sterile reservoirs are lot-certified RNase-free, DNase-free, and nonpyrogenic. Sterility tested to SAL 10^{-6}.

Dimensions: 25 mL Reservoirs: 14.6L x 5.1W x 2.5H cm (5 3/4 x 2 x 1")
50 mL and 100 mL Reservoirs: 14.6L x 8.3W x 3H cm (5 3/4 x 3 1/4 x 1 3/16")

Sterility	Packaging	Cat. No.		Price
25 mL Reservoirs				
Nonsterile	Bulk	**82031-549**	Pk. 50/	42.33
Sterile	Individually Wrapped	**82031-548**	Cs. 100/	137.65
Sterile	5/Bag, 40 Bags/Case	**82031-546**	Cs. 200/	105.61
25 mL Reservoirs with Divider				
Nonsterile	Bulk	**89079-398**	Cs. 100/	53.56
Sterile	Bulk	**89079-396**	Cs. 100/	123.60
Sterile	5/Bag, 40 Bags/Case	**89079-394**	Cs. 200/	128.75
50 mL Reservoirs				
Nonsterile	Bulk	**82026-355**	Pk. 50/	28.22
Sterile	Individually Wrapped	**82026-352**	Cs. 100/	124.59
Sterile	5/Bag, 40 Bags/Case	**82026-350**	Cs. 200/	93.73
100 mL Reservoirs				
Nonsterile	Bulk	**82026-361**	Pk. 50/	42.33
Sterile	Individually Wrapped	**82026-358**	Cs. 100/	137.65
Sterile	5/Bag, 40 Bags/Case	**82026-356**	Cs. 200/	105.61

VWR® PVC and Polystyrene Reagent Reservoirs

- **Manufactured from clear FDA grade PVC or natural polystyrene**
- **PVC reservoir turns amber in color during gamma sterilization process to ensure proper sterilization**
- **Sterile reservoirs are RNase-free, DNase-free, and nonpyrogenic**
- **Volume: 55 mL**

Material	Volume, mL	Packaging	Cat. No.		Case of
Sterile					
PVC	55	Individually Wrapped	**89031-326**	100/	131.32
PVC	55	Wrapped 5/Bag, 40 Bags/Case	**89031-324**	200/	99.80
Polystyrene	55	Individually Wrapped	**89066-390**	100/	131.32
Polystyrene	55	Wrapped 5/Bag, 40 Bags/Case	**89066-388**	200/	99.80
Nonsterile					
PVC	55	Bulk Packed	**89031-328**	100/	61.98

VWR® 12-Channel Reagent Reservoir, Sterile

- Sterile polypropylene 12-channel reservoir holds solutions for multichannel pipetting into micotiter plates
- Angled sides and V-shaped channel bottoms allow complete sample withdrawal
- Each channel has a volume of 5 mL and is numbered for sample reference
- Reservoir is supplied with a fitted lid and is autoclavable

Description	Cat. No.	Pack of 10	Case/ 5 Packs
12-Channel Reagent Reservoirs	**80092-466**	42.09	199.07

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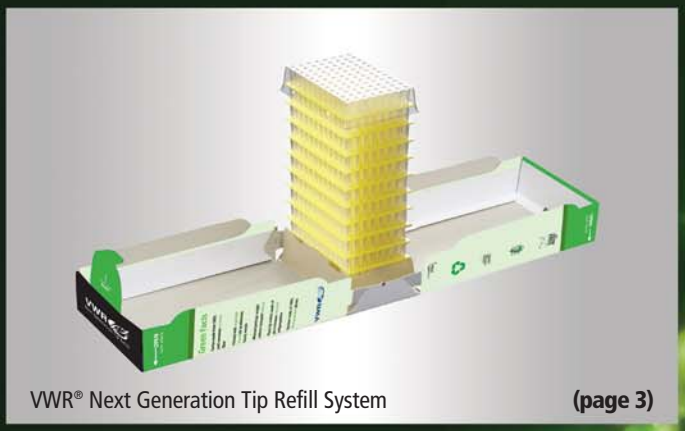

VWR® Next Generation Tip Refill System **(page 3)**

OneTouch™ Filter Barrier Pipet Tips, Sorenson BioScience **(page 8)**

VWR® SuperClear™ Ultra-High Performance Centrifuge Tubes with Flat or Plug Caps, Polypropylene **(page 13)**

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