



Sample Preparation Products



RESTEK

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Rev. date: 08/22

Coated Blade Spray Blades

Description	Material	qty.	cat.#
Coated Blade Spray Blades	CB-HLB (Hydrophilic-Lipophilic Balance)	48-pk.	23248



23248

2-in-1 Filter/O-Ring Insertion Tool Kit for ASE 100/150/200/300/350

Description	Includes	Instrument	qty.	cat.#
2-in-1 Filter/O-Ring Insertion Tool Kit	Filter Insertion Tool Handle and Attachments	for ASE 100/150/200/300/350	kit	26181



26181

20 mm Filters for ASE 200 Extraction Cells

Description	Instrument	Material	qty.	Similar to Part #	cat.#
20 mm Filters	for ASE 200	Cellulose	100-pk.	Thermo/Dionex 049458	26118
	for ASE 200	Cellulose	1000-pk.	Thermo/Dionex 049458	26190
	for ASE 200	Glass Fiber	100-pk.	Thermo/Dionex 047017	26119



26119

250 mL Sample Collection Bottles for ASE 100/150/300/350 Systems

Description	Color	Instrument	Material	Volume	qty.	Similar to Part #	cat.#
Collection Bottles	Clear	for ASE 100/150/300/350	Glass	250 mL	12-pk.	Thermo/Dionex 056284	26191
	Amber	for ASE 100/150/300/350	Glass	250 mL	12-pk.	Thermo/Dionex 056284	26260



30 mm Filters for ASE 100/150/300/350 (34 mL, 66 mL, and 100 mL only) Extraction Cells

Description	Instrument	Material	qty.	Similar to Part #	cat.#
30 mm Filters	for ASE 100/150/300/350 (34 mL, 66 mL, and 100 mL only)	Cellulose	100-pk.	Thermo/Dionex 056780	26168
	for ASE 100/150/300/350 (34 mL, 66 mL, and 100 mL only)	Glass Fiber	100-pk.	Thermo/Dionex 056781	26189



26168

Autoseal Tip Assembly for ASE 200/300 Systems

Description	Instrument	Material	qty.	Similar to Part #	cat.#
Autoseal Tip Assembly	for ASE 200	Stainless Steel	ea.	Thermo/Dionex 048811	26162
	for ASE 200	Siltek-Treated	ea.	Thermo/Dionex 048811	26161
	for ASE 300	Stainless Steel	ea.	Thermo/Dionex 056641	26246
	for ASE 300	Siltek-Treated	ea.	Thermo/Dionex 056641	26247



Cell Cleaning Brushes for ASE 100/150/200/300/350 Cells

Description	Instrument	qty.	cat.#
Cell Cleaning Brushes	for ASE 100/150/200/300/350	3-pk.	23999



23999

Cell Organizer for ASE Parts

Description	Dimensions	qty.	cat.#
Cell Organizer for ASE Parts, blue 13-bin unit	12" l x 12" h x 7.5" d	ea.	23998



23998

Extraction Cell Bodies for ASE Systems

Description	Instrument	Material	Volume	qty.	Similar to Part #	cat.#
Extraction Cell Body	for ASE 150/350	Stainless Steel	1 mL	ea.	Thermo/Dionex 068261	25993
	for ASE 200	Stainless Steel	1 mL	ea.	Thermo/Dionex 054973	26110
	for ASE 150/350	Stainless Steel	5 mL	ea.	Thermo/Dionex 068262	25994
	for ASE 200	Stainless Steel	5 mL	ea.	Thermo/Dionex 054974	26112
	for ASE 150/350	Stainless Steel	10 mL	ea.	Thermo/Dionex 068263	25995
	for ASE 200	Stainless Steel	11 mL	ea.	Thermo/Dionex 048820	26114
	for ASE 150/350	Stainless Steel	22 mL	ea.	Thermo/Dionex 068264	25996
	for ASE 200	Stainless Steel	22 mL	ea.	Thermo/Dionex 048821	26098
	for ASE 200	Stainless Steel	33 mL	ea.	Thermo/Dionex 048822	26116
	for ASE 100/300 and 150/350	Stainless Steel	34 mL	ea.	Thermo/Dionex 056646	26176
	for ASE 100/300 and 150/350	Stainless Steel	66 mL	ea.	Thermo/Dionex 056696	26178
	for ASE 100/300 and 150/350	Stainless Steel	100 mL	ea.	Thermo/Dionex 056693	26132





Extraction Cell Caps & Replacement Parts for ASE Systems

Description	Instrument	Material	qty.	Similar to Part #	cat.#
Replacement Extraction Cell End Caps	for ASE 150/350	Stainless Steel	2-pk.	Thermo/Dionex 068106, 068107	25997
	for ASE 200	Stainless Steel	2-pk.	Thermo/Dionex 049450	26096
	for ASE 100/300	Stainless Steel	2-pk.	Thermo/Dionex 056921	26170
Threaded Cap Inserts	for ASE 200	Stainless Steel	2-pk.		26166
	for ASE 300	Stainless Steel	2-pk.		26167
	for ASE 100/150/300/350	Stainless Steel	6-pk.	Thermo/Dionex 056775, 068260	26174
Replacement Frits	for ASE 200	Stainless Steel	10-pk.	Thermo/Dionex 049453	26100
	for ASE 200	Stainless Steel	100-pk.	Thermo/Dionex 049453	25959
	for ASE 100/150/300/350		12-pk.	Thermo/Dionex 056778	26134
Snap Rings	for ASE 200		10-pk.	Thermo/Dionex 049456	26184
	for ASE 100/150/300/350 (34 mL, 66 mL, and 100 mL cell bodies only)		ea.	Thermo/Dionex 056699	26169
Funnel	for ASE 200		ea.	Thermo/Dionex 056958	26180
	for ASE 100/150/200/300/350	PTFE (polytetrafluoroethylene)	100-pk.	Thermo/Dionex 049457	26187
O-Rings	for ASE 100/150/200/300/350	Viton	50-pk.	Thermo/Dionex 056325	26188



Filter Insertion Attachments for ASE 100/150/200/300/350

Description	Instrument	qty.	cat.#
Filter Insertion Attachments	for ASE 100/150/200/300/350	4-piece set	26183



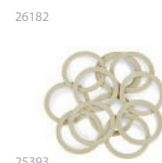
Filter Insertion Tool Handle for ASE 100/150/200/300/350

Description	Instrument	qty.	cat.#
Filter Insertion Tool Handle	for ASE 100/150/200/300/350	ea.	26182



PEEK Seals for ASE Systems

Description	Instrument	qty.	Similar to Part #	cat.#
PEEK Seals	for ASE 100/150/300/350	12-pk.	Thermo/Dionex 056776, 056777, 061687	25393
	for ASE 100/150/300/350	48-pk.	Thermo/Dionex 056776, 056777, 061687	25394
	for ASE 200	12-pk.	Thermo/Dionex 049454	25256
	for ASE 200	48-pk.	Thermo/Dionex 049454	25257
	for ASE 200	250-pk.	Thermo/Dionex 049454	26120
	for ASE 200	1000-pk.	Thermo/Dionex 049454	26229



Retaining Ring Pliers for ASE 100/150/200/300/350 Systems

Description	Instrument	qty.	cat.#
Retaining Ring Pliers	for ASE 100/150/200/300/350	ea.	26185



Tubing Assembly for ASE 200/300 Systems

Description	Instrument	qty.	Similar to Part #	cat.#
Tubing Assembly	for ASE 200	ea.	Thermo/Dionex 049311	26251
	for ASE 300	ea.	Thermo/Dionex 057059	26248



Valves for ASE 100/200/300 Systems

Description	Instrument	qty.	Similar to Part #	cat.#
Pressure Relief Valve	for ASE 100/200/300	ea.	Thermo/Dionex 048889	26159
Static Valve	for ASE 100/200/300	ea.	Thermo/Dionex 048778	26160



Revive In-Line Sample Preparation (ILSP)

Description	qty.	cat.#
Revive ILSP holder for 5 mm cartridge	ea.	27880
Revive ILSP Pesticides cartridge (5 x 2.1 mm)	ea.	27881
Revive ILSP holder and Revive ILSP Pesticides cartridge (5 x 2.1 mm)	kit	27882
Revive ILSP Pesticides cartridges (5 x 2.1 mm)	3-pk.	27883





Accessories for Q-sep Multispeed and Q-sep 3000 Centrifuges

Description	qty.	cat.#
15 mL four-place tube holder, carbon-fiber material	2-pk.	28293
50 mL single-place tube holder, carbon-fiber material	2-pk.	28294
50 mL conical tube insert	6-pk.	26249
2 mL tube adaptors	4-pk.	26234



Empty Centrifuge Tubes, FEP

Description	Material	qty.	cat.#
Empty 50 mL Centrifuge Tube	FEP (fluorinated ethylene propylene) Tube w/ETFE (ethylene tetrafluoroethylene copolymer) Cap	2-pk.	23997



23997

Empty Centrifuge Tubes, Polypropylene

Description	qty.	cat.#
Empty 50 mL Centrifuge Tube, Polypropylene w/Cap	50-pk.	25846
	500-pk.	28290



25846

Q-sep Bottle Top Solvent Dispenser

Description	qty.	cat.#
Q-sep Bottle Top Solvent Dispenser, 2.5 mL–30 mL	ea.	23990



23990

Q-sep Multispeed Centrifuge for QuEChERS

Description	Includes	Certification/Compliance	qty.	cat.#
Q-sep Multispeed Centrifuge for QuEChERS	15 mL four-place tube holder (6); 50 mL single-place tube holder (6); 50 mL conical tube insert (6); 2 mL tube adaptors (24); U.S. power cord (1); global/universal power cord (1)	UL61010-1/CSA C22.2 No. 61010-1 and IEC61010-2-020; FDA listed; MET U.S. E112532; CE; RoHS	ea.	28295



Q-sep QuEChERS dSPE Tubes for Extract Cleanup

Description	Material	Method	Type	Volume	qty.	Similar to Part #	cat.#
Foodstuffs with fats and waxes (e.g., cereals, avocado, nuts, seeds, and dairy)							
Q-sep QuEChERS dSPE Tubes	150 mg MgSO ₄ , 25 mg PSA, 25 mg C18-EC	Mini-multiresidue	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes	Agilent 5982-5121	26216
	150 mg MgSO ₄ , 50 mg C18-EC	—	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26242
	150 mg MgSO ₄ , 50 mg PSA, 50 mg C18-EC	AOAC 2007.01	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26125
	1200 mg MgSO ₄ , 400 mg PSA, 400 mg C18-EC	AOAC 2007.01	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes	Agilent 5982-5158	26221
	1200 mg MgSO ₄ , 400 mg C18-EC	—	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26244
	900 mg MgSO ₄ , 150 mg PSA, 150 mg C18-EC	—	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26226
General fruits and vegetables (e.g., celery, head lettuce, cucumber, melon)							
Q-sep QuEChERS dSPE Tubes	150 mg MgSO ₄ , 50 mg PSA	AOAC 2007.01	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26124
	150 mg MgSO ₄ , 25 mg PSA	Original unbuffered, EN 15662, mini-multiresidue	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes	Agilent 5982-5021	26215
	1200 mg MgSO ₄ , 400 mg PSA	AOAC 2007.01	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26220
	900 mg MgSO ₄ , 150 mg PSA	Original unbuffered, EN 15662	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes	Agilent 5982-5056	26223
General purpose (wide variety of sample types, including fatty and pigmented fruits and vegetables)							
Q-sep QuEChERS dSPE Tubes	150 mg MgSO ₄ , 50 mg PSA, 50 mg C18-EC, 7.5 mg GCB	—	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26243
	900 mg MgSO ₄ , 300 mg PSA, 300 mg C18-EC, 45 mg GCB	—	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26245



Continued



Description	Material	Method	Type	Volume	qty.	Similar to Part #	cat.#
Highly pigmented fruits and vegetables (e.g., red peppers, spinach, blueberries)							
Q-sep QuEChERS dSPE Tubes	150 mg MgSO ₄ , 25 mg PSA, 7.5 mg GCB	Mini-multiresidue, EN 15662	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26218
	150 mg MgSO ₄ , 50 mg PSA, 50 mg C18-EC, 50 mg GCB	AOAC 2007.01	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26219
	900 mg MgSO ₄ , 150 mg PSA, 45 mg GCB	EN 15662	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26225
	900 mg MgSO ₄ , 300 mg PSA, 150 mg GCB	—	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26126
Pigmented fruits and vegetables (e.g., strawberries, sweet potatoes, and tomatoes)							
Q-sep QuEChERS dSPE Tubes	150 mg MgSO ₄ , 25 mg PSA, 2.5 mg GCB	Mini-multiresidue, EN 15662	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26217
	150 mg MgSO ₄ , 50 mg PSA, 50 mg GCB	AOAC 2007.01	2 mL Micro-Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (1 mL Extract)	2 mL	100 tubes		26123
	1200 mg MgSO ₄ , 400 mg PSA, 400 mg C18-EC, 400 mg GCB	AOAC 2007.01	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26222
	900 mg MgSO ₄ , 150 mg PSA, 15 mg GCB	EN 15662	15 mL Centrifuge Tubes Prefilled with dSPE Materials for Cleanup (6 mL and 8 mL Extract)	15 mL	50 tubes		26224

Note: No entry in the Method column refers to dSPE formulations not specifically included in one of the cited references. These products can be used to accommodate the various needs of specific matrices not directly met by the cited references.

Q-sep QuEChERS Extraction Salts

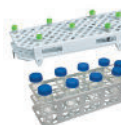
Description	Material	Method	qty.	cat.#
Q-sep QuEChERS Extraction Kit	4 g MgSO ₄ , 1 g NaCl with 50 mL Centrifuge Tube	Original unbuffered	50 packets & 50 tubes	25848
Q-sep QuEChERS Extraction Salt Packets Only	4 g MgSO ₄ , 1 g NaCl	Original unbuffered	50 packets	25847
Q-sep QuEChERS Extraction Kit	4 g MgSO ₄ , 1 g NaCl, 1 g TSCD, 0.5 g DHS with 50 mL Centrifuge Tube	European EN 15662	50 packets & 50 tubes	25850
Q-sep QuEChERS Extraction Salt Packets Only	4 g MgSO ₄ , 1 g NaCl, 1 g TSCD, 0.5 g DHS	European EN 15662	50 packets	25849
Q-sep QuEChERS Extraction Kit	6 g MgSO ₄ , 1.5 g NaOAc with 50 mL Centrifuge Tube	AOAC 2007.01	50 packets & 50 tubes	25852
Q-sep QuEChERS Extraction Salt Packets Only	6 g MgSO ₄ , 1.5 g NaOAc	AOAC 2007.01	50 packets	25851

DHS – disodium hydrogen citrate sesquihydrate; MgSO₄ – magnesium sulfate; NaCl – sodium chloride; NaOAc – sodium acetate; TSCD – trisodium citrate dihydrate



Q-sep Tube Racks

Description	Material	Size	qty.	cat.#
Q-sep Tube Rack for 2 mL Centrifuge Tube	Polypropylene, White	Holds 100	ea.	23995
Q-sep Tube Rack for 15 mL Centrifuge Tube	Polypropylene, White	Holds 60	ea.	23993
Q-sep Tube Rack for 50 mL Centrifuge Tube	Polypropylene, White	Holds 24	ea.	23994



Accessories for Filter Vials

Description	qty.	cat.#
Toggle Press for eXtreme Filter Vials	ea.	25860
Filter Vial Press, Multi-Use: 8 Positions for 30 mL Filter Vials & 48 Position for Autosampler Ready Filter Vials	ea.	25861



Syringe Filters with Luer Lock Inlet

Description	Color	Diameter	Porosity	qty.	cat.#
Cellulose Acetate					
Syringe Filter	Green	4 mm	0.22 µm	100-pk.	23972
	Blue	4 mm	0.45 µm	100-pk.	23973
	Red	13 mm	0.22 µm	100-pk.	26156
	Red	13 mm	0.45 µm	100-pk.	26155
	Red	25 mm	0.22 µm	100-pk.	26158
	Red	25 mm	0.45 µm	100-pk.	26157
	Red	30 mm	0.22 µm	100-pk.	23982
	Red	30 mm	0.45 µm	100-pk.	23983



Continued



Description	Color	Diameter	Porosity	qty.	cat.#
Nylon					
Syringe Filter	Yellow	4 mm	0.22 µm	100-pk.	23970
	Pink	4 mm	0.45 µm	100-pk.	23971
	Pink	13 mm	0.22 µm	100-pk.	26146
	Pink	13 mm	0.45 µm	100-pk.	26147
	Pink	25 mm	0.22 µm	100-pk.	26148
	Pink	25 mm	0.45 µm	100-pk.	26149
	Pink	30 mm	0.22 µm	100-pk.	23980
	Pink	30 mm	0.45 µm	100-pk.	23981
PES (polyethersulfone)					
Syringe Filter	White	4 mm	0.22 µm	100-pk.	23978
	Blue	4 mm	0.45 µm	100-pk.	23979
	Green	13 mm	0.22 µm	100-pk.	23966
	Green	13 mm	0.45 µm	100-pk.	23967
	Green	25 mm	0.22 µm	100-pk.	23968
	Green	25 mm	0.45 µm	100-pk.	23969
	Green	30 mm	0.22 µm	100-pk.	23988
	Green	30 mm	0.45 µm	100-pk.	23989
PP (polypropylene)					
Syringe Filter	Blue	25 mm	0.22 µm	100-pk.	28935
	Black	25 mm	0.45 µm	100-pk.	28936
PTFE (polytetrafluoroethylene)					
Syringe Filter	Purple	4 mm	0.22 µm	100-pk.	23974
	Orange	4 mm	0.45 µm	100-pk.	23975
	White	13 mm	0.22 µm	100-pk.	26142
	White	13 mm	0.45 µm	100-pk.	26143
	White	25 mm	0.22 µm	100-pk.	26144
	White	25 mm	0.45 µm	100-pk.	26145
	White	30 mm	0.22 µm	100-pk.	23984
	White	30 mm	0.45 µm	100-pk.	23985
PVDF (polyvinylidene difluoride)					
Syringe Filter	Brown	4 mm	0.22 µm	100-pk.	23976
	Red	4 mm	0.45 µm	100-pk.	23977
	Blue	13 mm	0.22 µm	100-pk.	26150
	Blue	13 mm	0.45 µm	100-pk.	26151
	Blue	25 mm	0.22 µm	100-pk.	26152
	Blue	25 mm	0.45 µm	100-pk.	26153
	Blue	30 mm	0.22 µm	100-pk.	23986
	Blue	30 mm	0.45 µm	100-pk.	23987

Cellulose Acetate, Nylon, PES, PVDF—hydrophilic applications

PP (polypropylene), PTFE—hydrophobic applications

Syringe filters are for laboratory use only.

Thomson SINGLE StEP eXtreme Filter Vials

Description	Color	Porosity	qty.	cat.#
Nylon				
Thomson SINGLE StEP eXtreme Filter Vials	black preslit cap	0.2 µm	100-pk.	25878
	pink preslit cap	0.45 µm	100-pk.	25879
PES (polyethersulfone)				
Thomson SINGLE StEP eXtreme Filter Vials	grey preslit cap	0.2 µm	100-pk.	25880
PTFE (polytetrafluoroethylene)				
Thomson SINGLE StEP eXtreme Filter Vials	green preslit cap	0.2 µm	100-pk.	25874
	blue preslit cap	0.45 µm	100-pk.	25875
PVDF (polyvinylidene difluoride)				
Thomson SINGLE StEP eXtreme Filter Vials	red preslit cap	0.2 µm	100-pk.	25876
	yellow preslit cap	0.45 µm	100-pk.	25877





Thomson SINGLE StEP Low-Evaporation Filter Vials

Description	Color	Porosity	qty.	cat.#
Nylon				
Thomson SINGLE StEP Low-Evaporation Filter Vials	black cap	0.2 µm	100-pk.	25870
	purple cap	0.45 µm	100-pk.	25871
PTFE (polytetrafluoroethylene)				
Thomson SINGLE StEP Low-Evaporation Filter Vials	green cap	0.2 µm	100-pk.	25868
	blue cap	0.45 µm	100-pk.	25872
PVDF (polyvinylidene difluoride)				
Thomson SINGLE StEP Low-Evaporation Filter Vials	red cap	0.2 µm	100-pk.	25869
	yellow cap	0.45 µm	100-pk.	25873



Thomson SINGLE StEP Nano Filter Vials

Description	Color	Porosity	qty.	cat.#
Nylon				
Thomson SINGLE StEP Nano Filter Vials	black standard cap	0.2 µm	100-pk.	25866
	black preslit cap	0.2 µm	100-pk.	25886
PES (polyethersulfone)				
Thomson SINGLE StEP Nano Filter Vials	grey standard cap	0.2 µm	100-pk.	25867
	grey preslit cap	0.2 µm	100-pk.	25887
PTFE (polytetrafluoroethylene)				
Thomson SINGLE StEP Nano Filter Vials	green standard cap	0.2 µm	100-pk.	25862
	green preslit cap	0.2 µm	100-pk.	25882
	blue standard cap	0.45 µm	100-pk.	25863
	blue preslit cap	0.45 µm	100-pk.	25883
PVDF (polyvinylidene difluoride)				
Thomson SINGLE StEP Nano Filter Vials	red standard cap	0.2 µm	100-pk.	25864
	red preslit cap	0.2 µm	100-pk.	25884
	yellow standard cap	0.45 µm	100-pk.	25865
	yellow preslit cap	0.45 µm	100-pk.	25885



Thomson SINGLE StEP Standard Filter Vials

Description	Color	Porosity	qty.	cat.#
Nylon				
Thomson SINGLE StEP Standard Filter Vial	black preslit cap	0.2 µm	100-pk.	25891
	pink preslit cap	0.45 µm	100-pk.	25892
PES (polyethersulfone)				
Thomson SINGLE StEP Standard Filter Vial	grey preslit cap	0.2 µm	100-pk.	25897
PTFE (polytetrafluoroethylene)				
Thomson SINGLE StEP Standard Filter Vial	green preslit cap	0.2 µm	100-pk.	25893
	blue preslit cap	0.45 µm	100-pk.	25894
PVDF (polyvinylidene difluoride)				
Thomson SINGLE StEP Standard Filter Vial	red preslit cap	0.2 µm	100-pk.	25895
	yellow preslit cap	0.45 µm	100-pk.	25896



Patent No. 7,790,117

CarboPrep Reversing SPE Cartridges

Description	Volume	qty.	cat.#
CarboPrep 200 Reversing Cartridge	500 mg	30-pk.	26206



26206

Diatomaceous Earth (Bulk Adsorbent)

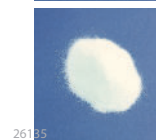
Description	qty.	Similar to Part #	cat.#
Diatomaceous Earth, 6/60 mesh	1 kg	Thermo/Dionex 062819	26033



26033

Floril PR (Bulk Adsorbent)

Description	qty.	Similar to Part #	cat.#
Floril PR, 60/100 mesh	500 g	Agilent 5982-4382	26135



26135



Method Specific SPE Cartridges

Description	Method	Packing	Volume	qty.	cat.#
Method Specific SPE Cartridge	EPA Method 521: Nitrosamines in Drinking Water and EPA Method 522 for 1,4-Dioxane in Drinking Water.	Activated charcoal packing.	6 mL, 2 g	30-pk.	26032
	EPA Method 548.1: Extraction of endotoxin from aqueous samples.	Weak anion exchange resin (Bio-Rex 5) packing.	6 mL	30-pk.	26063
	Ultra Quat SPE: For use in HPLC analysis of paraquat/diquat, as an alternative to EPA 549.2.		6 mL, 500 mg	30-pk.	25499
	Organotin: High-capacity cleanup of butyl and phenyl tin compounds from soil, water, and biota.	Mixed bed.	60 mL	16-pk.	24049
	RDX: Extraction of explosive compounds (similar to EPA Method 8095 and 8330 list) from water samples.		6 mL, 500 mg	30-pk.	26093



Ottawa Sand (Bulk Adsorbent)

Description	qty.	cat.#
Ottawa Sand, 20/30 mesh	5 kg	26137



26137

Pesticide Residue Cleanup SPE Cartridges

Description	Packing	qty.	cat.#
6 mL Combo SPE Cartridge	500 mg CarboPrep 90/500 mg Aminopropyl, Polyethylene Frits	30-pk.	26193
	250 mg CarboPrep 90/500 mg PSA, Polyethylene Frits	30-pk.	26488
	500 mg CarboPrep 90/500 mg PSA, Polyethylene Frits	30-pk.	26194
	200 mg CarboPrep 200 and 400 mg PSA, PTFE Frits	30-pk.	26127
	250 mg CarboPrep 200 and 500 mg PSA, PTFE Frits	30-pk.	26128
	500 mg CarboPrep 200 and 500 mg PSA, PTFE Frits	30-pk.	26129



PSA—primary and secondary amine

Replacement Parts for Original Resprep SPE Vacuum Manifolds (cat.# 26077 & 26080)

Description	Size	qty.	cat.#
Replacement Waste Container	12-Port	ea.	24014
Replacement Vacuum Valve and Gauge Assembly		ea.	24008
Glass Vacuum Chamber w/gauge & valve for Resprep manifolds	6 or 12-Port	ea.	25991
Collection Rack	12-Port	ea.	26079
	24-Port	ea.	26082
Replacement Manifold Lid (sample guides not included)	12-Port	ea.	26078
	24-Port	ea.	26081
Valves	12 or 24-Port	2-pk.	26083
PTFE Sample Guide Needles	12 or 24-Port	12-pk.	26084
Gasket	12-Port	2-pk.	24011



26079

Replacement Parts for Resprep Quick-Replace SPE Vacuum Manifolds

Description	Size	qty.	cat.#
Cover with flow control valves & gasket for Resprep QR-12	for QR-12	ea.	28316-VM
Gasket for Resprep QR-12	for QR-12	2-pk.	28317-VM
Collection rack for Resprep QR-12	for QR-12	ea.	28318-VM
Plate for 16 mm test tubes for Resprep QR-12	for QR-12	ea.	28319-VM
Plate for 2 mL autosampler vials for Resprep QR-12	for QR-12	ea.	28320-VM
Cover with flow control valves & gasket for Resprep QR-24	for QR-24	ea.	28323-VM
Gasket for Resprep QR-24	for QR-24	2-pk.	28324-VM
Collection rack for Resprep QR-24	for QR-24	ea.	28325-VM
Plate for 16 mm test tubes for Resprep QR-24	for QR-24	ea.	28326-VM
Plate for 2 mL autosampler vials for Resprep QR-24	for QR-24	ea.	28327-VM
Valve stem for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	24-pk.	28308-VM
Quick-replace disposable liners (PTFE) for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	100-pk.	28310-VM
Quick-replace flow control valves for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	2-pk.	28311-VM
Liner guides (stainless steel) for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	12-pk.	28312-VM
Vacuum gauge and bleed valve for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	ea.	28313-VM
Retaining clips for collection racks for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	12-pk.	28314-VM
Test tubes (10 x 75 mm) for Resprep Quick-Replace vacuum manifolds	for QR-12 and QR-24	12-pk.	28315-VM



**Replacement Parts for Resprep VM-96 Vacuum Manifold**

Description	qty.	cat.#
Valve block assembly	ea.	25857
Replacement gasket & O-ring kit	kit	25856

**Resprep Alumina SPE Cartridges**

Description	Packing	Volume	qty.	cat.#
Resprep Alumina SPE Cartridges	Alumina A	3 mL, 500 mg	50-pk.	28940
	Alumina B	6 mL, 1000 mg	30-pk.	28942
	Alumina N	3 mL, 500 mg	50-pk.	28943
	Alumina N	6 mL, 1000 mg	30-pk.	28944

**Resprep Amino (NH2) SPE Cartridges**

Description	Packing	Volume	qty.	cat.#
Resprep Amino (NH2) SPE Cartridges	Amino (NH2)	6 mL, 500 mg	30-pk.	28948
	Amino (NH2)	6 mL, 1000 mg	30-pk.	28949

**Resprep C18 SPE Cartridges**

Description	Material	Packing	Volume	Note	qty.	cat.#
Resprep C18 SPE Cartridges	Polypropylene tubes with polyethylene frits	C18 (trifunctional, high-load)	1 mL, 100 mg		100-pk.	26030
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	3 mL, 200 mg		50-pk.	28959
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	3 mL, 500 mg		50-pk.	28960
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	6 mL, 500 mg		30-pk.	28961
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	6 mL, 1000 mg	Not recommended for EPA Method 525.	30-pk.	28963
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	20 mL, 5 g		20-pk.	26034
	Polypropylene tubes with polyethylene frits	C18 (monofunctional, mid-load)	60 mL, 10 g		16-pk.	28964
	Polypropylene tubes with polyethylene frits	C18 (trifunctional, high-load)	6 mL, 1000 mg	Recommended for EPA Method 525.	30-pk.	24051

**Resprep C8 SPE Cartridges**

Description	Packing	Volume	qty.	cat.#
Resprep C8 SPE Cartridges	C8	6 mL, 500 mg	30-pk.	28968

**Resprep CarboPrep Plus SPE Cartridges**

Description	Packing	Volume	qty.	cat.#
Resprep CarboPrep Plus SPE Cartridges	CarboPrep Plus	3 mL, 95 mg	30-pk.	25845



25845

Resprep CarboPrep SPE Cartridges

Description	Packing	Volume	qty.	cat.#
Resprep SPE Cartridge	CarboPrep 200	3 mL, 250 mg	50-pk.	26088
	CarboPrep 200	6 mL, 500 mg	30-pk.	26087
	CarboPrep 90	3 mL, 250 mg	50-pk.	26091
	CarboPrep 90	6 mL, 500 mg	30-pk.	26092



26087

Resprep Closed End SPE Cartridge: Activated Sodium Sulfate

Description	Material	Packing	Volume	qty.	cat.#
Resprep Closed End SPE Cartridge	Polypropylene tubes with polyethylene frits	Sodium Sulfate	2.85 g	50-pk.	28989





Resprep Diol SPE Cartridges

Description	Packing	Volume	qty.	cat.#
Resprep Diol SPE Cartridges	Diol	6 mL, 500 mg	30-pk.	28987
	Diol	6 mL, 1000 mg	30-pk.	28988



Resprep EPH Fractionation SPE Cartridge

Description	Method	Packing	Volume	qty.	cat.#
Resprep EPH Fractionation SPE Cartridge	EPH Fractionation: Complete separation of aliphatic and aromatic hydrocarbons into distinct extract fractions. Guaranteed background level under MA and NJ EPH method limits.	Silica packing.	15 mL, 5 g	15-pk.	23240
	EPH Fractionation: Complete separation of aliphatic and aromatic hydrocarbons into distinct extract fractions. Guaranteed background level under MA and NJ EPH method limits.	Silica packing.	6 mL, 2 g	30-pk.	25999



Resprep Florisil SPE Cartridges

Description	Material	Packing	Volume	qty.	cat.#
Resprep Florisil SPE Cartridges	Polypropylene tubes with polyethylene frits	Florisil	3 mL, 500 mg	50-pk.	28990
	Polypropylene tubes with polyethylene frits	Florisil	6 mL, 500 mg	30-pk.	28992
	Polypropylene tubes with polyethylene frits	Florisil	6 mL, 1000 mg	30-pk.	28993
	Polypropylene tubes with polyethylene frits	Florisil	15 mL, 2000 mg	15-pk.	28995



Resprep Oil & Grease SPE Disks

Description	qty.	cat.#
Resprep Oil & Grease SPE Disks	20-pk.	26022



Resprep PLR SPE Products

Description	qty.	cat.#
Resprep PLR SPE Cartridge, 25 mg/1 mL cartridge	100-pk.	28300
Resprep PLR SPE 96-Well Plate, 25 mg/2 mL each well	ea.	28301



Resprep Polymeric SPE Cartridges and 96-Well Plates

Description	Packing	Particle Size	Recommended Analytes	Volume	qty.	cat.#
Resprep Polymeric SPE 96-Well Plate	HLB	30 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	10 mg	ea.	28453
	HLB	30 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	30 mg	ea.	28454
Resprep Polymeric SPE Cartridge	HLB	30 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	1 mL, 30 mg	100-pk.	28449
	HLB	60 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	3 mL, 60 mg	50-pk.	28450
	HLB	60 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	6 mL, 200 mg	30-pk.	28451
	HLB	60 µm	General-purpose for acids, bases, or neutrals; high capacity for polar compounds.	6 mL, 500 mg	30-pk.	28452
Resprep Polymeric SPE 96-Well Plate	MAX	30 µm	Acids	10 mg	ea.	28459
	MAX	30 µm	Acids	30 mg	ea.	28460
Resprep Polymeric SPE Cartridge	MAX	30 µm	Acids	1 mL, 30 mg	100-pk.	28455
	MAX	60 µm	Acids	3 mL, 60 mg	50-pk.	28456
	MAX	60 µm	Acids	6 mL, 150 mg	30-pk.	28457
	MAX	60 µm	Acids	6 mL, 500 mg	30-pk.	28458
Resprep Polymeric SPE 96-Well Plate	MCX	30 µm	Bases	10 mg	ea.	28465
	MCX	30 µm	Bases	30 mg	ea.	28466
Resprep Polymeric SPE Cartridge	MCX	30 µm	Bases	1 mL, 30 mg	100-pk.	28461
	MCX	60 µm	Bases	3 mL, 60 mg	50-pk.	28462
	MCX	60 µm	Bases	6 mL, 150 mg	30-pk.	28463
	MCX	60 µm	Bases	6 mL, 500 mg	30-pk.	28464
Resprep Polymeric SPE 96-Well Plate	WAX	30 µm	Strong acids	10 mg	ea.	28471
	WAX	30 µm	Strong acids	30 mg	ea.	28472



Continued



Description	Packing	Particle Size	Recommended Analytes	Volume	qty.	cat.#
Resprep Polymeric SPE Cartridge	WAX	30 µm	Strong acids	1 mL, 30 mg	100-pk.	28467
	WAX	60 µm	Strong acids	3 mL, 60 mg	50-pk.	28468
	WAX	60 µm	Strong acids	6 mL, 150 mg	30-pk.	28469
	WAX	30 µm	Strong acids	6 mL, 200 mg	30-pk.	28292
	WAX	30 µm	Strong acids	6 mL, 500 mg	30-pk.	28291
	WAX	60 µm	Strong acids	6 mL, 500 mg	30-pk.	28470
Resprep Polymeric SPE 96-Well Plate	WCX	30 µm	Strong bases	10 mg	ea.	28477
	WCX	30 µm	Strong bases	30 mg	ea.	28478
	WCX	30 µm	Strong bases	1 mL, 30 mg	100-pk.	28473
Resprep Polymeric SPE Cartridge	WCX	60 µm	Strong bases	3 mL, 60 mg	50-pk.	28474
	WCX	60 µm	Strong bases	6 mL, 200 mg	30-pk.	28475
	WCX	60 µm	Strong bases	6 mL, 500 mg	30-pk.	28476

HLB – Hydrophilic-Lipophilic Balance

MAX – Mixed-Mode, Strong Anion Exchange

MCX – Mixed-Mode, Strong Cation Exchange

WAX – Mixed-Mode, Weak Anion Exchange

WCX – Mixed-Mode, Weak Cation Exchange

Resprep PSA SPE Cartridges

Description	Packing	Volume	qty.	cat.#
Resprep PSA SPE Cartridges	PSA	6 mL, 500 mg	30-pk.	28970



Resprep Quick-Replace SPE Vacuum Manifolds (12- or 24-Port)

Description	Includes	Size	qty.	cat.#
Resprep QR-12 Quick-Replace vacuum manifold	Cover with flow control valves & gasket (cat.# 28316-VM); Collection Rack (cat.# 28318-VM); Plate for 16 mm test tubes (cat.# 28319-VM); 100-pk. Quick Replace liners, PTFE (cat.# 28310-VM); 12-pk. Liner guide (cat.# 28312-VM); 12-pk. Test tubes (cat.# 28315-VM)	12-port	kit	28298-VM
Resprep QR-24 Quick-Replace vacuum manifold	Cover with flow control valves & gasket (cat.# 28323-VM); Collection Rack (cat.# 28325-VM); Plate for 16 mm test tubes (cat.# 28326-VM); 100-pk. Quick Replace liners, PTFE (cat.# 28310-VM); 2, 12-pk. Liner guides (cat.# 28312-VM); 2, 12-pk. Test tubes (cat.# 28315-VM)	24-port	kit	28299-VM



Note: Extra plates to accommodate for 2 mL autosampler vials (28320-VM and 28327-VM) and 20 mL scintillation vials (28321-VM for QR-24 only) can be purchased if needed.

Resprep Resin SPE Disks

Description	qty.	cat.#
Resprep Resin SPE Disks	20-pk.	26023



26023

Resprep S-DVB SPE Cartridge

Description	Packing	Volume	qty.	cat.#
Resprep S-DVB	500 mg spherical styrene-divinylbenzene (SDVB) copolymer	6 mL	30-pk.	28937



Resprep Sample Delivery System

Description	qty.	cat.#
Resprep Sample Delivery System	6-pk.	26250

Caution: Compatible with glass SPE cartridges, but extra care should be taken when handling glass cartridges to avoid breakage.



26250

Resprep SAX (Silica Based) SPE Cartridges

Description	Packing	Volume	qty.	cat.#
Resprep SAX (Silica Based) SPE Cartridges	SAX (Silica Based)	6 mL, 500 mg	30-pk.	28973
	SAX (Silica Based)	6 mL, 1000 mg	30-pk.	28974



Resprep Silica SPE Cartridges

Description	Material	Packing	Volume	qty.	cat.#
Resprep Silica SPE Cartridges	Polypropylene tubes with polyethylene frits	Silica	3 mL, 500 mg	50-pk.	28978
	Polypropylene tubes with polyethylene frits	Silica	6 mL, 1000 mg	30-pk.	28980





Resprep SLE Cartridges and 96-Well Plates

Description	qty.	cat.#
Resprep SLE cartridges, 200 mg/3 mL cartridge	50-pk.	28302
Resprep SLE cartridges, 400 mg/3 mL cartridge	50-pk.	28303
Resprep SLE 96-well plates, 200 mg/2 mL each well	1-pk.	28304
Resprep SLE 96-well plates, 400 mg/2 mL each well	1-pk.	28305



Resprep SPE Tube Parts & Accessories

Description	Material	Porosity	Volume	qty.	Similar to Part #	cat.#
Empty Tubes	polypropylene		1 mL	50-pk.		26010
	polypropylene		3 mL	50-pk.		26011
	polypropylene		6 mL	50-pk.		26012
	polypropylene		15 mL	50-pk.		26013
	polypropylene		sample reservoir, 25 mL	12-pk.		26014
	polypropylene		sample reservoir, 75 mL	12-pk.		26015
Frits	polyethylene	20 µm	1 mL, 6 mm	100-pk.		26016
	polyethylene	20 µm	3 mL, 9 mm	100-pk.	Agilent 12131020	26017
	polyethylene	20 µm	6 mL, 1.2 cm	100-pk.		26018
	polyethylene	20 µm	15 mL, 1.6 cm	100-pk.		26019
	polyethylene	20 µm	25 mL, 2.0 cm (For 20 mL packed tubes.)	100-pk.		26020
Tube Caps	polyethylene		1 mL	12-pk.		26001
	polyethylene		3 mL	12-pk.		26002
	polyethylene		6 mL	12-pk.		26003
	polyethylene		15 mL	12-pk.		26004
	polyethylene		25 mL (For 20 mL packed tubes.)	12-pk.		26005
Female Luer End Caps	polypropylene		universal	12-pk.		26000
Connectors	polypropylene		1, 3, 6, 10, or 15 mL	15-pk.	Agilent 12131001	26007
	polypropylene		12, 25 mL	12-pk.		26008
	polypropylene		60 mL	12-pk.		26009



Resprep VM-96 Vacuum Manifold for 96-Well Plates

Description	qty.	cat.#
Resprep VM-96 vacuum manifold	ea.	25858



Resprep WCX (Silica Based) SPE Cartridges

Description	Packing	Volume	qty.	cat.#
Resprep WCX (Silica Based) SPE Cartridges	WCX (Silica Based)	6 mL, 1000 mg	30-pk.	28985

25858



Resprep-C18 and Resprep-C8 SPE Disks

Description	Diameter	Packing	qty.	cat.#
Resprep SPE Disks	47 mm	Resprep-C8	24-pk.	24048
	47 mm	Resprep-C18	20-pk.	24004
	90 mm	Resprep-C18	12-pk.	25988

24048



Sodium Sulfate (Bulk Adsorbent)

Description	qty.	cat.#
Sodium Sulfate	5 kg	26204

26204



Accessories for SPME Arrows

Description	Instrument	qty.	cat.#
Injector adaptor cup	for Agilent GC 6890/7890 Split/Splitless Injector	ea.	27496
	for Shimadzu GC 2010 Split/Splitless Injector	ea.	27497
	for Thermo GC TRACE 1300/1310, 1600/1610 Split/Splitless Injector	ea.	27498
	for Thermo GC TRACE Ultra Split/Splitless Injector	ea.	27499
Injection port weldment	for Shimadzu GC 2010 Split/Splitless Injector	ea.	27500



Continued



Description	Instrument	qty.	cat.#
Needle guide/septum nut	for Shimadzu GC 2010 Split/Splitless Injector	ea.	27501
Split/splitless weldment; large, canister-type filter	for Agilent GC 6890 Split/Splitless Injector	ea.	27502
Septum nut for split/splitless weldments	for Agilent GC 6890/7890 Split/Splitless Injector	ea.	27503
Split/splitless weldment and septum nut	for Agilent GC 7890 Split/Splitless Injector	ea.	27504
Split/splitless weldment; modified for SPME Arrow	for Agilent 8890 Split/Splitless Injector	ea.	28933
Septum cap	for Thermo GC TRACE 1300/1310, 1600/1610 Split/Splitless Injector	ea.	27505
Liner cap/septum holder	for Thermo GC TRACE 1300/1310, 1600/1610 Split/Splitless Injector	ea.	27506
Septum holder and support	for Thermo GC TRACE Ultra Split/Splitless Injector	ea.	27507
Liner cap	for Thermo GC TRACE Ultra Split/Splitless Injector	ea.	27508

Restek PAL SPME Arrow

Description	Color	Diameter	Includes	Material	Recommended Analytes	qty.	cat.#
SPME Arrow	Red	1.1 mm		100 µm Polydimethylsiloxane (PDMS)	Volatile, 60–275 g/mol*	ea.	27485
	Red	1.5 mm wide sleeve		100 µm Polydimethylsiloxane (PDMS)	Volatile, 60–275 g/mol*	ea.	27877
	Black	1.5 mm		250 µm Polydimethylsiloxane (PDMS)	Volatile, 60–275 g/mol (high capacity)*	ea.	27484
	Gray	1.1 mm		100 µm Polyacrylate	Polar, semivolatile, 80–300 g/mol*	ea.	27488
	Light Blue	1.1 mm		120 µm Carbon Wide Range (WR)/PDMS	Highly volatile, 30–225 g/mol*	ea.	27487
	Light Blue	1.5 mm wide sleeve		120 µm Carbon Wide Range (WR)/PDMS	Highly volatile, 30–225 g/mol*	ea.	27879
	Violet	1.1 mm		120 µm Divinylbenzene (DVB)/PDMS	Amines and polar compounds, 60–300 g/mol*	ea.	27486
	Violet	1.5 mm wide sleeve		120 µm Divinylbenzene (DVB)/PDMS	Aromatic semivolatile, 60–300 g/mol*	ea.	27878
	Dark Gray	1.1 mm		120 µm DVB/Carbon WR/PDMS	Volatile and semivolatile, 40–275 g/mol*	ea.	27875
	Dark Gray	1.5 mm wide sleeve		120 µm DVB/Carbon WR/PDMS	Volatile and semivolatile, 40–275 g/mol*	ea.	27876
SPME Arrow Method Development Kit	one SPME arrow each: 1.1 mm PDMS 100 µm, 1.5 mm PDMS 250 µm, 1.1 mm PA 100 µm, 1.1 mm Carbon WR/PDMS 120 µm, 1.1 mm DVB/PDMS 120 µm					Set of 5	27489

*These molecular weight ranges are a reasonable approximation; however, end users should verify suitability for their specific application.



27489

Restek PAL SPME Arrow GC-Specific Conversion Kits

Description	Includes	Instrument	qty.	cat.#
Restek PAL SPME Arrow Conversion Kit	Topaz 1.8 mm ID straight/SPME inlet liner, 5-pk. (cat.# 23280); Thermolite Plus septa, 3-pk. (cat.# 23864); Split/splitless weldment; large, canister-type filter (cat.# 27502); Septum nut for 6890 split/splitless weldments (cat.# 27503); Injector adaptor cup (cat.# 27496)	for Agilent 6890 Split/Splitless Injector (for canister-type filters)	kit	27492
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23280); 1.1 mm Microseal (cat.# 23232); Split/Splitless Weldment; Large Canister Type Filter (cat.# 27502); Adaptor Cup (cat.# 27496); Nut (cat.# 23228)	for Agilent 6890 Split/Splitless Injector (for canister-type filters)	kit	27356
Restek PAL SPME Arrow Conversion Kit with 1.5 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23280); 1.5 mm Microseal (cat.# 23233); Split/Splitless Weldment and Large Canister Type Filter (cat.# 27502); Adaptor Cup (cat.# 27496); Nut (cat.# 23228)	for Agilent 6890 Split/Splitless Injector (for canister-type filters)	kit	27361
Restek PAL SPME Arrow Conversion Kit	Topaz 1.8 mm ID straight/SPME inlet liner, 5-pk. (cat.# 23280); Thermolite Plus septa, 3-pk. (cat.# 23864); Agilent split/splitless weldment and septum nut (cat.# 27504); Injector adaptor cup (cat.# 27496)	for Agilent 7890 Split/Splitless Injector	kit	27493
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23280); 1.1 mm Microseal (cat.# 23232); Agilent Weldment (cat.# 27504); Adaptor Cup (cat.# 27496); Nut (cat.# 23228)	for Agilent 7890 Split/Splitless Injector	kit	27357
Restek PAL SPME Arrow Conversion Kit with 1.5 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23280); 1.5 mm Microseal (cat.# 23233); Agilent Weldment (cat.# 27504); Adaptor Cup (cat.# 27496); Nut (cat.# 23228)	for Agilent 7890 Split/Splitless Injector	kit	27362
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23280); 1.1 mm Microseal (cat.# 23232); Agilent Weldment (cat.# 28933); Adaptor Cup (cat.# 27496); Nut (cat.# 23228)	for Agilent 8890 Split/Splitless Injector	kit	28934
Restek PAL SPME Arrow Conversion Kit	Topaz 1.8 mm ID straight/SPME inlet liner, 5-pk. (cat.# 23279); Thermolite Plus septa, 3 pk. (cat.# 23872); Injection port weldment (cat.# 27500); Needle guide/septum nut (cat.# 27501); Injector adaptor cup (cat.# 27497)	for Shimadzu GC-2010 Split/Splitless Injector (not compatible with SE or Plus models)	kit	27491
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23279); 1.1 mm Microseal (cat.# 23232); Port Weldment (cat.# 27500); Adaptor Cup (cat.# 27497); Adaptor Kit (cat.# 23229)	for Shimadzu GC-2010 Split/Splitless Injector (not compatible with SE or Plus models)	kit	27355
Restek PAL SPME Arrow Conversion Kit with 1.5 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23279); 1.5 mm Microseal (cat.# 23233); Port Weldment (cat.# 27500); Adaptor Cup (cat.# 27497); Adaptor Kit (cat.# 23229)	for Shimadzu GC-2010 Split/Splitless Injector (not compatible with SE or Plus models)	kit	27360

*Continued*



Description	Includes	Instrument	qty.	cat.#
Restek PAL SPME Arrow Conversion Kit	Topaz 1.8 mm ID straight/SPME inlet liner, 5-pk. (cat.# 23278); Premium nonstick BTO septa, 3-pk. (cat.# 27090); Septum cap (cat.# 27505); Liner cap/septum holder (cat.# 27506); Injector adaptor cup (cat.# 27498)	for Thermo TRACE 1300/1310, 1600/1610 Split/Splitless Injector	kit	27494
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23278); 1.1 mm Microseal (cat.# 23232); Liner Cap/Septum Holder (cat.# 27506); Adaptor Cup (cat.# 27498); Nut (cat.# 23230)	for Thermo TRACE 1300/1310, 1600/1610 Split/Splitless Injector	kit	27358
Restek PAL SPME Arrow Conversion Kit with 1.5 mm Merlin Microseal	Topaz 1.8 mm ID Straight/SPME inlet liner, 5-pk. (cat.# 23278); 1.5 mm Microseal (cat.# 23233); Liner Cap/Septum Holder (cat.# 27506); Adaptor Cup (cat.# 27498); Adaptor Kit (cat.# 23230)	for Thermo TRACE 1300/1310, 1600/1610 Split/Splitless Injector	kit	27363
Restek PAL SPME Arrow Conversion Kit	2.0 mm ID straight inlet liner, 5-pk. (cat.# 22267); Premium nonstick BTO septa, 3-pk. (cat.# 27096); Septum holder and support (cat.# 27507); Liner cap (cat.# 27508); Injector adaptor cup (cat.# 27499)	for Thermo TRACE Ultra Split/Splitless Injector	kit	27495
Restek PAL SPME Arrow Conversion Kit with 1.1 mm Merlin Microseal	2.0 mm ID straight inlet liner, 5-pk. (cat.# 22267); 1.1 mm Microseal (cat.# 23232); Liner Cap (cat.# 27508); Adaptor Cup (cat.# 27499); Adaptor Kit (cat.# 23231)	for Thermo TRACE Ultra Split/Splitless Injector	kit	27359
Restek PAL SPME Arrow Conversion Kit with 1.5 mm Merlin Microseal	2.0 mm ID straight inlet liner, 5-pk. (cat.# 22267); 1.5 mm Microseal (cat.# 23233); Liner Cap (cat.# 27508); Adaptor Cup (cat.# 27499); Adaptor Kit (cat.# 23231)	for Thermo TRACE Ultra Split/Splitless Injector	kit	27364

Restek PAL SPME Fibers

Description	Color	Includes	Material	Max Temp	Recommended Operating Temp	qty.	Similar to Part #	cat.#
SPME Fiber	Green		7 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	340 °C	200–340 °C	ea.	Supelco/Millipore Sigma Hub Color—Green	27482-1
	Green		7 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	340 °C	200–340 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Green	27482-3
	Green		7 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	340 °C	200–340 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Green	27482-5
	Golden		30 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	ea.	Supelco/Millipore Sigma Hub Color—Yellow	27481-1
	Golden		30 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Yellow	27481-3
	Golden		30 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Yellow	27481-5
	Red		100 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	ea.	Supelco/Millipore Sigma Hub Color—Red	27480-1
	Red		100 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Red	27480-3
	Red		100 µm Polydimethylsiloxane (PDMS) Fiber, Nonpolar	280 °C	200–280 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Red	27480-5
	Gray		85 µm Polyacrylate (PA) Fiber, Polar	280 °C	200–280 °C	ea.	Supelco/Millipore Sigma Hub Color—White	27478-1
	Gray		85 µm Polyacrylate (PA) Fiber, Polar	280 °C	200–280 °C	3-pk.	Supelco/Millipore Sigma Hub Color—White	27478-3
	Gray		85 µm Polyacrylate (PA) Fiber, Polar	280 °C	200–280 °C	5-pk.	Supelco/Millipore Sigma Hub Color—White	27478-5
	Dark Blue		95 µm Carbon Wide Range (WR)/PDMS Fiber	300 °C	220–300 °C	ea.	Supelco/Millipore Sigma Hub Color—Black	27479-1
	Dark Blue		95 µm Carbon Wide Range (WR)/PDMS Fiber	300 °C	220–300 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Black	27479-3
	Dark Blue		95 µm Carbon Wide Range (WR)/PDMS Fiber	300 °C	220–300 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Black	27479-5
	Violet		65 µm Divinylbenzene (DVB)/PDMS Fiber	300 °C	220–300 °C	ea.	Supelco/Millipore Sigma Hub Color—Blue	27874-1
	Violet		65 µm Divinylbenzene (DVB)/PDMS Fiber	300 °C	220–300 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Blue	27874-3
	Violet		65 µm Divinylbenzene (DVB)/PDMS Fiber	300 °C	220–300 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Blue	27874-5
	Dark Gray		80 µm (50 DVB / 30 Carbon WR)/PDMS Fiber	300 °C	220–300 °C	ea.	Supelco/Millipore Sigma Hub Color—Gray	27873-1
	Dark Gray		80 µm (50 DVB / 30 Carbon WR)/PDMS Fiber	300 °C	220–300 °C	3-pk.	Supelco/Millipore Sigma Hub Color—Gray	27873-3
	Dark Gray		80 µm (50 DVB / 30 Carbon WR)/PDMS Fiber	300 °C	220–300 °C	5-pk.	Supelco/Millipore Sigma Hub Color—Gray	27873-5
Method Development SPME Fiber Kit		one SPME fiber each: PDMS 7 µm, PDMS 30 µm, PDMS 100 µm, PA 85 µm, Carbon WR/PDMS 95 µm				Set of 5		27483





Restek PAL SPME Manual Injection Kit

Description	Includes	qty.	Similar to Part #	cat.#
Restek PAL SPME Manual Injection Kit	SPME manual holder, SPME manual extraction guide, SPME manual injection guide	kit	Supelco/Millipore Sigma 57330-U	27490



A-2 Luer Lock Gas-Tight Syringes*

Volume	qty.	cat.#
100 µL	ea.	22257
500 µL	ea.	22258

*Restek's A-2 syringes have a luer lock tip.



Hamilton Autosampler Syringe for Agilent 7670, 7671 and 7672

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	RN	26s	2"	2	701RN-HP	80338	ea.	24968



Hamilton Autosampler Syringes for Thermo Scientific GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	N	25s	2"	2	701SN	80320	ea.	24961
	N	26s	3.15"	AS	701SN	80318	ea.	24962



Hamilton Autosampler Syringes for PerkinElmer Autosystem and Clarus 500 GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	ASN	23	2.756"	3	75ASN/PE	88035	ea.	24953
	ASN	26	2.756"	3	75ASN/PE	88040	ea.	24952



Hamilton Autosampler Syringes for Bruker/Varian 8000 Series GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	RN	26s	1.99"	5	701 Varian	202880	ea.	24956



Hamilton Autosampler Syringes for CTC GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Modification	Vendor Model #	Vendor cat.#	qty.	cat.#
1.2 µL	N	26	2"/51 mm	AS		7701.2N	203185	ea.	22755
5 µL	N	26s	2"/51 mm	AS		75N	203189	ea.	22756
	N	23s	2"/51 mm	AS		701N	203361	ea.	22757
10 µL	N	23s-26s	2"/51 mm	AS		701N	203362	ea.	22758
	N	23s	2"/51 mm	2		701N	203363	ea.	22759
	N	26s	2"/51 mm	2		701N Slim Line	203072	ea.	22760
	N	26s	2"/51 mm	AS		701N	203205	ea.	22761
	N	26s	2"/51 mm	2		701N	202999-4071	6-pk.	22762
	N	26s	2"/51 mm	AS	Barrel OD = 7.9 mm	1702N	203043	ea.	22763
25 µL	N	26s	2"/51 mm	AS	Barrel OD = 6.7 mm	1702N Slim Line	203074	ea.	22764

Due to collar design, Hamilton syringes may not work with older generation LEAP autosamplers.



Hamilton Economical Microliter Liquid-Type Syringes for Rheodyne & Valco Valves

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	N	22s	2"	3	701	80365	ea.	21250
25 µL	N	22s	2"	3	702	80465	ea.	21251
50 µL	N	22s	2"	3	705	80565	ea.	21252
100 µL	N	22s	2"	3	710	80665	ea.	21253
250 µL	N	22s	2"	3	725	80765	ea.	21254



**Hamilton Economical Syringe Guide** for Hamilton Syringes

	Used with	Vendor cat.#	qty.	cat.#
	0.5–5 µL (series 7000) and 25–500 µL (series 700 and 1700/1000) syringes	14906	ea.	24615
	5–10 µL (series 700 and 1700/1000) syringes	14806	ea.	24616

**Hamilton Gas-Tight PTFE-Tipped Syringes** for Agilent 7673, 7683, 7693A, and 6850 Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	Similar to Part #	cat.#
10 µL	ASN	23s	1.71"	Agilent	1701	80080	ea.	Agilent 5181-8809	24894
	ASRN	23s	1.71"	Agilent	1701	80087	ea.	Agilent 5181-8813	21224
	ASRN	26s	1.71"	Agilent	1701	80088	ea.		21228
	ASRN	23s–26s	1.71"	Agilent	1701	80089	ea.		21229

**Hamilton Gas-Tight Syringe Replacement Needles for Luer Lock Syringes**

Needle Gauge	Needle Length	Point Style	Hub Material	Used with	Vendor cat.#	qty.	cat.#
26s	2"/51 mm	2	metal		90053	6-pk.	20133
25s	1.97"	3	metal	For Waters U6K injection valve.	90049	6-pk.	24605
22s	2"/51 mm	2	metal		90051	6-pk.	24606
26s	2"/51 mm	2	Kel-F (PTFE tip)		90153	6-pk.	24607
25s	1.97"	3	Kel-F (PTFE tip)	For Waters U6K injection valve.	90149	6-pk.	24608
22s	2"/51 mm	2	Kel-F (PTFE tip)		90151	6-pk.	24609

**Hamilton Gas-Tight Syringes for Rheodyne & Valco Valves**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	RN	26s	2"/51 mm	3	1701	80065	ea.	21260
25 µL	RN	22s	2"/51 mm	3	1702	80265	ea.	21261
50 µL	RN	22s	2"/51 mm	3	1705	80965	ea.	21262
100 µL	RN	22s	2"/51 mm	3	1710	81065	ea.	21263
250 µL	RN	22s	2"/51 mm	3	1725	81165	ea.	21264

**Hamilton High Dynamic (HD) Headspace Syringes** for CTC CombIPAL Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
1.0 mL	N	23	2"/51 mm	5	1001	203082	ea.	26552
2.5 mL	N	23	2"/51 mm	5	1002	203084	ea.	26553
5.0 mL	N	23	2"/51 mm	5	1005	203086	ea.	26554
1.0 mL	N	26	2"/51 mm	5	1001	203141	ea.	26555
2.5 mL	N	26	2"/51 mm	5	1002	203181	ea.	26556
5.0 mL	N	26	2"/51 mm	5	1005	203182	ea.	26557

**Hamilton Manual Microliter Syringes**

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	N	26s	2"/51 mm	2	75N	87900	ea.	24938
	RN	26s	2"/51 mm	2	75RN	87930	ea.	24617
10 µL	N	26s	2"/51 mm	2	701N	80300	ea.	20174
	N	26s	2"/51 mm	2	701N	80366	6-pk.	20175
25 µL	RN	26s	2"/51 mm	2	701RN	80330	ea.	24530
	N	22s	2"/51 mm	2	702N	80400	ea.	24531
10 µL	N	26s	2"/51 mm	5	701NPT5	80339	ea.	24967
25 µL	RN	22s	2"/51 mm	2	702RN	80430	ea.	24532
50 µL	N	22s	2"/51 mm	2	705N	80500	ea.	24533
	RN	22s	2"/51 mm	2	705RN	80530	ea.	24534
100 µL	N	22s	2"/51 mm	2	710N	80600	ea.	24535
	RN	22s	2"/51 mm	2	710RN	80630	ea.	24536
250 µL	N	22s	2"/51 mm	2	725N	80700	ea.	24537
	RN	22s	2"/51 mm	2	725RN	80730	ea.	24538
500 µL	N	22	2"/51 mm	2	750N	80800	ea.	24539
	RN	22	2"/51 mm	2	750RN	80830	ea.	24540



Replacement RN/R needles available.



Hamilton Micro-Volume, Positive Displacement Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	KH	25	2.75"/70 mm	2	7000.5	86259	ea.	24545
	KH	25	2.75"/70 mm	3	7000.5	86250	ea.	24546
1.0 µL	KH	22s	2.75"/70 mm	2	7101	86211	ea.	24549
	KH	25s	2.75"/70 mm	2	7001	80135	ea.	24547
5.0 µL	KH	25s	2.75"/70 mm	3	7001	80100	ea.	24548
	KH	24	2.75"/70 mm	2	7105	88011	ea.	24555
2.0 µL	KH	24	2.75"/70 mm	3	7105	88000	ea.	24556
	KH	25	2.75"/70 mm	2	7002	88411	ea.	24551



Hamilton Priming Syringe for Waters 6000, 6000A, 501, 510, 590, 610, and 610E HPLC Pumps

Volume	Needle Term.	Vendor Model #	Vendor cat.#	qty.	cat.#
10 mL	TLL	1010W	81610	ea.	21265



Hamilton PTFE Tip, Gas-Tight Syringe Replacement Needles for Removable Needle Syringes

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
5–100 µL	26s	2"	2	7758-02	6-pk.	24939
	22s	2"	2	7758-03	6-pk.	24940
	22	2"	2	7779-01	6-pk.	24942
250 µL–10 mL	26s	2"	2	7779-02	6-pk.	24943
	22s	2"	2	7779-03	6-pk.	24944

21265



Hamilton PTFE Tip, Gas-Tight Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	N	26s	2"/51 mm	2	1701	80000	ea.	24557
	RN	26s	2"/51 mm	2	1701	80030	ea.	24558
25 µL	N	22s	2"/51 mm	2	1702	80200	ea.	24559
	RN	22s	2"/51 mm	2	1702	80230	ea.	24560
50 µL	N	22s	2"/51 mm	2	1705	80900	ea.	24561
	RN	22s	2"/51 mm	2	1705	80930	ea.	24562
100 µL	N	22s	2"/51 mm	2	1710	81000	ea.	24563
	RN	22s	2"/51 mm	2	1710	81030	ea.	24564
250 µL	LTN	22s	2"/51 mm	2	1725	81100	ea.	24567
	RN	22s	2"/51 mm	2	1725	81130	ea.	24568
500 µL	LTN	22	2"/51 mm	2	1750	81217	ea.	24571
	RN	22	2"/51 mm	2	1750	81230	ea.	24572
1 mL	LTN	22	2"/51 mm	2	1001	81317	ea.	24575
	RN	22	2"/51 mm	2	1001	81330	ea.	24576
	TLL	*		w/o slots	1001	81320	ea.	24578
	TLL	*		w/o slots	1002	81420	ea.	24584
2.5 mL	RN	22	2"/51 mm	2	1002	81430	ea.	24582
	N	22	2"/51 mm	2	1002	81417	ea.	24581
5 mL	LTN	22	2"/51 mm	2	1005	81517	ea.	24585
	TLL	*		w/o slots	1005	81520	ea.	20178
10 mL	TLL	*		w/o slots	1010	81620	ea.	20179
25 mL	TLL	*		w/o slots	1025	82520	ea.	24591
50 mL	TLL	*		w/o slots	1050	85020	ea.	24717
100 mL	TLL	*		w/o slots	1100	86020	ea.	24724

*Needles sold separately.



Hamilton Reinforced Plunger Microliter Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	N	26s	2"/51 mm	2	95	87920	ea.	24541
	RN	26s	2"/51 mm	2	95	87925	ea.	24542
10 µL	N	26s	2"/51 mm	2	901	80360	ea.	24543
	RN	26s	2"/51 mm	2	901	80370	ea.	24544



Replacement RN/R needles available.

**Hamilton Replacement Needles** for Agilent 7673, 7683, 7693A, and 6850 Autosampler Syringes

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	Similar to Part #	cat.#
5–10 µL	23s	1.71"	Agilent	7786-01	6-pk.	Agilent 5181-8811	20164
	26s	1.71"	Agilent	7786-02	6-pk.	Agilent 5181-3319	20165
	23s–26s	1.71"	Agilent	7785-01	6-pk.		20166

20164

**Hamilton Replacement Needles** for Gas-Tight Syringes for Rheodyne & Valco Valves

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
5–100 µL	22s	2"	3	7770-01	6-pk.	24941
250 µL–10 mL	22	2"	3	7780-04	6-pk.	24945

24941

**Hamilton Replacement Needles** for Syringes for Waters U6K Valves

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
10–100 µL	25s	1.97"	3	8647-01	6-pk.	21270

21270

**Hamilton Replacement Plunger Assembly, PTFE-Tipped** for Agilent 7670, 7671, and 7672 ALS Autosampler Syringes

Volume	Needle Term.	Vendor cat.#	qty.	Similar to Part #	cat.#
10 µL	N, RN, LT/LTN	13205	ea.	Agilent 5181-3358, 5181-3365	24919

24919

**Hamilton Standard Microliter Syringes** for Agilent 7673, 7683, 7693A, and 6850 Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	Similar to Part #	cat.#
0.5 µL	ASRN	23s	1.71"	Agilent	7000.5	86276	ea.		24895
	ASRN	26s	1.71"	Agilent	7000.5	86274	ea.		21221
	ASRN	23s	1.71"	Agilent	75	87957	ea.	Agilent 5182-0834	20172
	ASN	23s	1.71"	Agilent	75	87987	ea.	Agilent 9301-0892	20168
	ASN	23s	1.71"	Agilent	75	87990	6-pk.	Agilent 5182-0875	20170
	ASRN	26s	1.71"	Agilent	75	87958	ea.		21222
5 µL	ASN	26s	1.71"	Agilent	75	87988	ea.	Agilent 9301-0891, G4513-80206	24592
	ASN	26s	1.71"	Agilent	75	87989	6-pk.	Agilent 5183-4728	21230
	ASRN	23s–26s	1.71"	Agilent	75	87959	ea.	Agilent 5182-0835	21223
	ASN	23s–26s	1.71"	Agilent	75	87993	ea.	Agilent 5181-1273	24593
	ASN	23s–26s	1.71"	Agilent	75	87994	6-pk.	Agilent 5181-8810	24594
	ASRN	23s	1.71"	Agilent	701	80357	ea.		20171
10 µL	ASN	23s	1.71"	Agilent	701	80387	ea.	Agilent 9301-0713	20167
	ASN	23s	1.71"	Agilent	701	80390	6-pk.	Agilent 9301-0725	20169
	ASRN	26s	1.71"	Agilent	701	80358	ea.		24597
	ASN	26s	1.71"	Agilent	701	80388	ea.	Agilent 9301-0714	24595
	ASN	26s	1.71"	Agilent	701	80389	6-pk.	Agilent 5183-4729	24599
	ASRN	23s–26s	1.71"	Agilent	701	80359	ea.	Agilent 5181-3321	24598
	ASN	23s–26s	1.71"	Agilent	701	80393	ea.	Agilent 5181-1267	24596
	ASN	23s–26s	1.71"	Agilent	701	80391	6-pk.	Agilent 5181-3360	24600

24595

**Hamilton Syringe** for Waters WISP LC Autosamplers

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
250 µL, 1/4-28 UNF Thread	1725	80024	ea.	24529

24529

**Hamilton Syringes** for CTC LC Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Modification	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	N	22s	2"/51 mm	3		701N	203073	ea.	22743
100 µL	N	22s	2"/51 mm	3	Barrel OD = 6.7 mm	1710N Slim Line	203077	ea.	22745
	N	22	2"/51 mm	3	Barrel OD = 7.9 mm	1710N	203235	ea.	22746
250 µL	N	22	2"/51 mm	3		1725N	203079	ea.	22747
500 µL	N	22	2"/51 mm	3		1750N	203349	ea.	22748

22745





Hamilton Syringes for Waters U6K Valves

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	RN	25s	1.97"	3	801	84815	ea.	21255
25 µL	RN	25s	1.97"	3	802	84816	ea.	21256
50 µL	RN	25s	1.97"	3	805	84817	ea.	21257
100 µL	RN	25s	1.97"	3	810	84818	ea.	21258
250 µL	RN	25s	1.97"	3	825	84819	ea.	21259



Heavy Duty Purge & Trap Syringe (Dynatech Precision Sampling)

Description	Modification	Volume	qty.	cat.#
Heavy Duty Purge & Trap Syringe	without Sample-Lok	2 mL	ea.	21205
	without Sample-Lok	5 mL	ea.	21206
	without Sample-Lok	10 mL	ea.	21209
	with Sample-Lok	5 mL	ea.	21208
	with Sample-Lok	10 mL	ea.	21207



Merlin MicroShot Injector

Volume	Vendor cat.#	qty.	cat.#
0.1 µL injection	701-01	ea.	22226
0.2 µL injection	701-02	ea.	22227
0.5 µL injection	701-05	ea.	22228
1.0 µL injection	701-10	ea.	22229
2.0 µL injection	701-20	ea.	22230

Syringe not included. Requires Agilent-style (ball-end plunger) autosampler syringe.



NORM-JECT and HENKE-JECT Plastic Syringes

Volume	Modification	Type	qty.	Similar to Part #	cat.#
1 mL	Dose saver design with low dead space plug on the piston to minimize waste.	Luer Slip Tuberculin	100-pk.	Air-Tite A1	22766
3 mL		Luer Slip Centric Tip	100-pk.	Air-Tite A3	22767
5 mL	graduations to 6 mL	Luer Slip Centric Tip	100-pk.	Air-Tite A5	22768
10 mL	graduations to 12 mL	Luer Slip Eccentric Tip	100-pk.	Air-Tite A10	22769
20 mL	graduations to 24 mL	Luer Slip Eccentric Tip	100-pk.	Air-Tite A20	22770
30 mL		Luer Slip Eccentric Tip	50-pk.	Air-Tite A30	22771
50 mL	graduations to 60 mL	Luer Slip Eccentric Tip	30-pk.	Air-Tite A50	22772
3 mL		Luer Lock Tip	100-pk.	Air-Tite AL3	22773
5 mL	graduations to 6 mL	Luer Lock Tip	100-pk.	Air-Tite AL5	22774
10 mL	graduations to 12 mL	Luer Lock Tip	100-pk.	Agilent UCB310; Air-Tite AL10	22775
20 mL	graduations to 24 mL	Luer Lock Tip	100-pk.	Air-Tite AL20	22776
30 mL		Luer Lock Tip	50-pk.	Air-Tite AL30	22777
50 mL	graduations to 60 mL	Luer Lock Tip	30-pk.	Air-Tite AL50	22778



Replacement Needles for A-2 Luer Gas-Tight Syringes

Volume	Needle Gauge	Size	qty.	cat.#
for 100 µL A2 Gas-Tight Syringes	22	0.028" OD x 0.006" ID x 2"	3-pk.	22783
for 500 µL A2 Gas-Tight Syringes	22	0.028" OD x 0.012" ID x 2"	3-pk.	22784



SGE Autosampler Syringes for CTC and Thermo Scientific GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	50 mm	Cone	0.5BNR-C/F-0.63	000492	ea.	24928
	R	26	50 mm	Cone	0.5BNR-C/F-0.47	000490	ea.	24926
	F	23	50 mm	Cone	5F-C/F-5/0.63	001981	ea.	24921
5 µL	F	26	50 mm	Cone	5F-BT-5/0.47	0019821	ea.	24920
	F	26	50 mm	Cone	5F-C/T-5/0.47C	001982	ea.	22251



Continued



Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	R	23	50 mm	Cone	10R-BT-0.63	0029841	ea.	24932
	R	23	50 mm	Cone	10R-C/T-0.63C	002984	ea.	23903
	F	23	50 mm	Cone	10F-BT-GT-5/0.63C	0029871	ea.	22749
	F	23	50 mm	Cone	10F-C/T-GT-5/0.63C	002987	ea.	22254
	F	23	50 mm	Cone	10F-C/T-5/0.63C	002981	ea.	22255
	F	25	50 mm	Cone	10F-C/T-5/0.5C	002967	ea.	23902
	F	26	50 mm	Cone	10F-BT-5/0.47C	0029801	ea.	24922
	F	26	50 mm	Cone	SK-10F-BT-5/0.47C	0029861	6-pk.	24925
	F	26	80 mm	Cone	10F-BT-8/0.47C	0029921	ea.	24924
	F	26	80 mm	Cone	10F-C/T-8/0.47C	002992	ea.	23904
	R	26	80 mm	Cone	10R-BT-8/0-0.47C	0029931	ea.	24934
	F	26	50 mm	Cone	10F-C/T-5/0.47C	002980	ea.	22252
25 µL	F	26	50 mm	Cone	10F-C/T-5/0.47C	002986	6-pk.	22253
	F	23	50 mm	Cone	25F-C/T-GT-5/0.63C	003987	ea.	23897
100 µL	F	23	50 mm	Cone	25F-BT-GT-5/0.63C	0039871	ea.	22751
	F	23	50 mm	Cone	100F-C/T-GT-5/0.63C	005335	ea.	22753
	R	26	50 mm	Cone	100R-C/T-GT-5/0.47C	005333	ea.	22754

SGE Autosampler Syringes for PerkinElmer Autosystem and Clarus 500 GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	70 mm	Cone	0.5BR-PE-0.63	000478	ea.	24811
	R	26	70 mm	Cone	0.5BR-PE-0.47	000475	ea.	24810
5 µL	F	23	70 mm	Cone	5F-PE-0.63	001954	ea.	24813
	F	23	70 mm	Cone	5F-PE-GT-0.63	001957	ea.	24815
	F	26	70 mm	Cone	5F-PE-0.47	001953	ea.	24812
	F	26	70 mm	Cone	5F-PE-GT-0.47	001955	ea.	24814
50 µL	F	23	70 mm	Cone	50F-PE-0.63	004670	ea.	24816



SGE Autosampler Syringes for Bruker/Varian 8000 Series GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	R	25	53 mm	S/Hole	10R-VA8X-II	002924	ea.	24852
	F	26	50 mm	Bevel	10F-VA8400-5/0.47	002950	ea.	21202
	R	26	50 mm	Cone	10R-VA8400-5/0-0.47C	002952	ea.	24930
	F	23	50 mm	Cone	10F-VA8400-5/0.63C	002951	ea.	24923



SGE Autosampler Syringes for Shimadzu AOC 14, 17, 20, and 20i GCs

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	42 mm	Cone	0.5BR-S-0.63	000445	ea.	24841
	R	26	42 mm	Cone	0.5BR-S-0.47	000440	ea.	24840
5 µL	F	23	42 mm	Cone	5F-S-0.63	001988	ea.	24843
	R	23	42 mm	Cone	10R-S-0.63	002898	ea.	24845
10 µL	R	23	42 mm	Cone	10R-S-GT-0.63	002902	ea.	24846
	R	26	42 mm	Cone	10R-S-0.47	002897	ea.	24844



SGE Economical Microliter Liquid-Type Syringes for Rheodyne & Valco Valves

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	22	2"	3	10F-LC	002301	ea.	24860
25 µL	F	22	2"	3	25F-LC	003300	ea.	24861
50 µL	F	22	2"	3	50F-LC	004300	ea.	24862
100 µL	F	22	2"	3	100F-LC	005300	ea.	24863
250 µL	F	22	2"	3	250F-LC	006300	ea.	24864
500 µL	F	22	2"	3	500F-LC	007300	ea.	24865



**SGE Gas-Tight PTFE-Tipped Syringes** for Agilent 7673, 7683, 7693A, and 6850 Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	Similar to Part #	cat.#
10 µL	F	23	42 mm	Cone	10F-HP-GT-0.63	002812	ea.	Agilent 5181-8809	24789
	F	23–26	42 mm	Cone	10F-AG-GT-0.63/0.47C	002826	ea.		22256
	F	23–26	42 mm	Cone	10F-AG-GT-0.63/0.47C	002827	6-pk.	Agilent 5181-3361	22259
	R	23–26	42 mm	Cone	10R-HP-GT-0.63/0.47	002829	ea.		21220



22256

SGE Gas-Tight Syringe Replacement Needles for Luer Lock Syringes

Volume	Needle Gauge	Needle Length	Point Style	Hub Material	Used with	Vendor Model #	Vendor cat.#	qty.	cat.#
1 mL–100 mL	23	50 mm	2	metal	For Rheodyne/Valco valves.	NLL-5/23	039802	5-pk.	24763
	22	2 1/2" 51 mm	3	metal		NLL-LC	039895	2-pk.	24765
	18	50 mm	2	metal		NLL-5/18	039842	5-pk.	24764
	19	50 mm	H	metal	Any LL needle	NLL-5/19H	039823	2-pk.	28938
	23	50 mm	H	metal	Any LL needle	NLL-5/23H	039803	2-pk.	28939



24764

SGE Gas-Tight Syringes for Rheodyne & Valco Valves

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	R	22	2"	3	10R-GT-LC	002313	ea.	24866
25 µL	R	22	2"	3	25R-GT-LC	003312	ea.	24867
50 µL	R	22	2"	3	50R-GT-LC	004312	ea.	24868
100 µL	R	22	2"	3	100R-GT-LC	005312	ea.	24869
250 µL	R	22	2"	3	250R-GT-LC	006312	ea.	24870
500 µL	R	22	2"	3	500R-GT-LC	007312	ea.	24871



24867

SGE Gas-Tight Syringes with Shut-off Valves Syringe Fitted with Removable Needle and Valve

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
50 µL	50R-V-GT	004279	ea.	24880
100 µL	100R-V-GT	005279	ea.	24881
250 µL	250R-V-GT	006279	ea.	24882
500 µL	500R-V-GT	007279	ea.	24883
1 mL	1MDR-V-GT	008110	ea.	24884
2.5 mL	2.5MDR-V-GT	008510	ea.	24885

**SGE Gas-Tight Syringes with Shut-off Valves** Syringe Fitted with Luer Lock Valve*

Volume	Type	Vendor Model #	Vendor cat.#	qty.	cat.#
1 mL	Push-pull shut-off valve	1MR-VLL-GT	008160	ea.	24886
2.5 mL	Push-pull shut-off valve	2.5MDR-VLL-GT	008560	ea.	24887
5 mL	Push shut-off valve	5MDR-VLLMA-GT	008770	ea.	24888
10 mL	Push shut-off valve	10MDR-VLLMA-GT	008970	ea.	24889
25 mL	Push shut-off valve	25MDR-VLLMA-GT	009472	ea.	24890
50 mL	Push shut-off valve	50MR-VLLMA-GT	009670	ea.	24891
100 mL	Push shut-off valve	100MR-VLLMA-GT	009770	ea.	24892

*Order needles separately.

**SGE Jumbo Syringe**

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
500 mL	500MAR-LL-GT	009910	ea.	21275
1000 mL	1000MAR-LL-GT	009920	ea.	21276
2000 mL	2000MAR-LL-GT	009930	ea.	21277



21276

SGE Luer Lock Valve Adaptors

Vendor cat.#	qty.	cat.#
200010	2-pk.	21283



21283



SGE Manual Microliter Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Modification	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	F	26	50 mm	2	With plunger protection.	5F	001000	ea.	24700
	R	26	50 mm	2	With plunger protection.	5R	001050	ea.	24701
10 µL	F	26	50 mm	2	With plunger protection.	10F	002000	ea.	24702
	F	26	50 mm	2	With plunger protection.	SK-10F	002030	6-pk.	24715
	R	26	50 mm	2	With plunger protection.	10R	002050	ea.	24703
	R	26	50 mm	2	With plunger protection.	SK-10R	002080	6-pk.	24716
25 µL	F	25	50 mm	2		25F	003000	ea.	24704
	R	25	50 mm	2		25R	003050	ea.	24705
50 µL	F	25	50 mm	2		50F	004000	ea.	24706
	R	25	50 mm	2		50R	004050	ea.	24707
100 µL	F	25	50 mm	2		100F	005000	ea.	24708
	R	25	50 mm	2		100R	005050	ea.	24709
250 µL	F	25	50 mm	2		250F	006000	ea.	24710
	R	25	50 mm	2		250R	006050	ea.	24711
500 µL	F	25	50 mm	2		500F	007000	ea.	24712
	R	25	50 mm	2		500R	007050	ea.	24713

Replacement RN/R needles available.



SGE Micro-Volume, Positive Displacement Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Modification	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	70 mm	2		0.5BR-7BV	000311	ea.	24771
	R	23	70 mm	Cone		0.5BR-7	000310	ea.	24772
	R	26	70 mm	Cone	0.47 mm OD, on-column syringe.	0.5BR-0C-7/0.47	000376	ea.	24770
1.0 µL	R	23	70 mm	2		1BR-7BV	000506	ea.	24775
	R	23	70 mm	Cone		1BR-7	000505	ea.	24774
	R	23	50 mm	Cone		1BR-5	000500	ea.	24773
	R	26	70 mm	Cone	0.47 mm OD, on-column syringe.	1BR-7/0.47	000570	ea.	24776
	R	23	70 mm	2		5BR-7BV	000803	ea.	24779
5.0 µL	R	23	70 mm	Cone		5BR-7	000802	ea.	24778
	R	23	50 mm	Cone		5BR-5	000800	ea.	24777



SGE PTFE Tip, Gas-Tight Syringe Replacement Needles for Removable Needle Syringes

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
5 µL	26	50 mm	2	036110	5-pk.	24802
10 µL	23	50 mm	2	037111	5-pk.	24804
	26	50 mm	2	037110	5-pk.	24803
25–500 µL	23	50 mm	2	038111	5-pk.	24806
	25	50 mm	2	038110	5-pk.	24805
1–2.5 mL	23	50 mm	2	039110	5-pk.	24807



SGE PTFE Tip, Gas-Tight Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	26	50 mm	2	10F-GT	002200	ea.	24725
	R	26	50 mm	2	10R-GT	002250	ea.	24726
25 µL	F	25	50 mm	2	25F-GT	003200	ea.	24727
	R	25	50 mm	2	25R-GT	003250	ea.	24728
50 µL	F	25	50 mm	2	50F-GT	004200	ea.	24729
	R	25	50 mm	2	50R-GT	004250	ea.	24730
100 µL	F	25	50 mm	2	100F-GT	005200	ea.	24734
	R	25	50 mm	2	100R-GT	005250	ea.	24735
	LL	*			100F-LL-GT	005230	ea.	24737



Continued



Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
250 µL	F	25	50 mm	2	250F-GT	006200	ea.	24738
	R	25	50 mm	2	250R-GT	006250	ea.	24739
	LL	*			250F-LL-GT	006230	ea.	24741
500 µL	F	25	50 mm	2	500F-GT	007200	ea.	24742
	R	25	50 mm	2	500R-GT	007250	ea.	24743
1 mL	R	23	50 mm	2	1MR-GT	008100	ea.	24750
	LL	*			1MDF-LL-GT	008025	ea.	24752
2.5 mL	LL	*			2.5MDF-LL-GT	008425	ea.	24755
5 mL	LL	*			5MDR-LL-GT	008760	ea.	24757
10 mL	LL	*			10MDR-LL-GT	008960	ea.	24759
25 mL	LL	*			25MDR-LL-GT	009462	ea.	24760
50 mL	LL	*			50MR-LL-GT	009660	ea.	24761
100 mL	LL	*			100MR-LL-GT	009760	ea.	24762

*Needles sold separately.

SGE Reinforced Plunger Microliter Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	F	26	50 mm	2	5F-GP	001400	ea.	24769
	R	26	50 mm	2	5R-GP	001450	ea.	24766
10 µL	F	26	50 mm	2	10F-GP	002400	ea.	24767
	R	26	50 mm	2	10R-GP	002450	ea.	24768

Replacement RN/R needles available.



SGE Replacement Needle and Plunger Kit for PerkinElmer Autosampler Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	70 mm	Cone	033765	kit	24818



SGE Replacement Needle and Plunger Kit for CTC and Thermo Scientific Autosampler Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
0.5 µL	R	26	50 mm	Cone	033770	kit	24927
	R	23	50 mm	Cone	033772	kit	24929

SGE Replacement Needles for Agilent 7673, 7683, 7693A, and 6850 Autosampler Syringes

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	Similar to Part #	cat.#
0.5 µL	23	42 mm	Cone	033715	ea.	Agilent 5182-0830	24821
	26	42 mm	Cone	033708	ea.		24820
5 µL	26	42 mm	Cone	036710	2-pk.	Agilent 5181-8811	24822
	23	42 mm	Cone	037717	2-pk.		24825
10 µL	26	42 mm	Cone	037715	2-pk.		24824
	23	42 mm	Cone	038717	2-pk.		24826

Do not reuse PTFE washers.



SGE Replacement Needles for Thermo Scientific RSH Autosampler Syringes

Volume	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	23	57 mm	Cone	N5-RSH-5.7/0.63C 2-pk	036871	2-pk.	23942
	23	57 mm	Cone	N10-RSH-5.7/0.63C 2-pk	037871	2-pk.	23946
10 µL	23	85 mm	Cone	N10-RSH-8.5/0.63C 2-pk	037873	2-pk.	23947
	26	57 mm	Cone	N10-RSH-5.7/0.47C 2-pk	037875	2-pk.	23948
	26	85 mm	Cone	N10-RSH-8.5/0.47C 2-pk	037877	2-pk.	23949



**SGE Replacement Needles** for Syringes for Waters U6K Valves*

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
25–500 µL	25	50 mm	3	038260	5-pk.	24879

*Removable needle with repeating adapter.

SGE Replacement Needles for Gas-Tight Syringes for Rheodyne & Valco Valves

Volume	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
10 µL	22	2"	3	037250	5-pk.	24808
25–500 µL	22	2"	3	038250	5-pk.	24809



24808

SGE Replacement Needles for Bruker/Varian 8000 Series Autosampler Syringes

Volume	Needle Gauge	Needle Length	Point Style	Modification	Vendor cat.#	qty.	cat.#
10 µL	23	53 mm	S/Hole		037779	2-pk.	24857
	25	53 mm	S/Hole	Tapered needle shaft, 0.12 mm ID needle.	037777	ea.	24854
	25	53 mm	2		037776	2-pk.	24855



24855

SGE Replacement Needles for Shimadzu Autosampler Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
0.5 µL	R	23	42 mm	Cone	033745	ea.	24747
10 µL	R	23	42 mm	Cone	037747	2-pk.	24749
	R	26	42 mm	Cone	037745	2-pk.	24748



24748

SGE Replacement Needles for CTC and Thermo Scientific Autosampler Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor cat.#	qty.	cat.#
10 µL	R	26	80 mm	Cone	031535	3-pk.	24935
	R	23	50 mm	Cone	037787	2-pk.	24933



24935

SGE Replacement Needles for Gas-Tight Syringes with Shut-off Valves

Volume	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
25 µL–2.5 mL	23	50 mm	Cone	V	031905	ea.	24898



24898

SGE Replacement Plunger Assembly, PTFE-Tipped for Agilent 7673, 7683, 7693A, and 6850 Autosampler Syringes

Volume	Needle Term.	Vendor cat.#	qty.	Similar to Part #	cat.#
10 µL	F	031808	2-pk.	Agilent 5181-3365	21218
	R	031809	2-pk.		21284



21284

SGE Replacement Plunger-in-Needle Kits

Volume	Needle Gauge	Needle Length	Point Style	Used with	Vendor Model #	Vendor cat.#	qty.	cat.#
0.5 µL	23	70 mm	2	24771	NP0.5B-7BV	033060	kit	24831
	23	70 mm	Cone	24772	NP0.5B-7C	033057	kit	24830
	23	70 mm	2	24775	NP1B-7BV	034060	kit	24835
1.0 µL	23	70 mm	Cone	24774	NP1B-7C	034057	kit	24834
	23	50 mm	Cone	24773	NP1B-5C	034055	kit	24833
5.0 µL	23	70 mm	2	24779	NP5B-7BV	035058	kit	24839
	23	70 mm	Cone	24778	NP5B-7C	035057	kit	24838



24834

SGE Replacement Plungers for Thermo Scientific RSH Autosampler Syringes

Volume	Needle Term.	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	P10F-RSH-GT	032810	ea.	23936

Note: Compatible with Thermo Scientific gas-tight syringes only.



23936



SGE Replacement Plungers for CTC Autosampler Syringes

Volume	Needle Term.	Vendor Model #	Vendor cat.#	qty.	cat.#
25 µL	F	P25F-C/T-GT	031817	ea.	23907

SGE Replacement Plungers for Thermo Scientific Autosampler Syringes

Volume	Needle Term.	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	P10F-C/T-GT	0318120	2-pk.	23905



23905

SGE Standard Microliter Syringes for Agilent 7673, 7683, 7693A, and 6850 Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	Similar to Part #	cat.#
0.5 µL	R	23	42 mm	Cone	0.5BR-HP-0.63	000410	ea.		24791
	R	26	42 mm	Cone	0.5BR-HP-0.47	000400	ea.		24790
5 µL	F	23	42 mm	Cone	5F-HP-0.63	001810	ea.	Agilent 9301-0892	24781
	F	23	42 mm	Cone	SK-5F-HP-0.63	001814	6-pk.	Agilent 5182-0875	24783
	F	26	42 mm	Cone	5F-HP-0.47	001800	ea.	Agilent 9301-0891	24780
	F	26	42 mm	Cone	SK-5F-HP-0.47	001804	6-pk.		24782
	F	23–26s	42 mm	Cone	5F-HP-0.63/0.47	001821	ea.	Agilent 5181-1273	21210
	F	23–26s	42 mm	Cone	SK-5F-HP-0.63/0.47	001822	6-pk.		21214
10 µL	R	23	42 mm	Cone	10R-HP-0.63	002815	ea.		24795
	F	23	42 mm	Cone	10F-HP-0.63	002810	ea.	Agilent 9301-0713	24785
	F	23	42 mm	Cone	SK-10F-HP-0.63	002814	6-pk.	Agilent 9301-0725	24787
	R	26	42 mm	Cone	10R-HP-0.47	002805	ea.		24794
	F	26	42 mm	Cone	10F-HP-0.47	002800	ea.	Agilent 9301-0714	24784
	F	26	42 mm	Cone	SK-10F-HP-0.47	002804	6-pk.		24786
	F	23–26	42 mm	Cone	10F-HP-0.63/0.47	002821	ea.	Agilent 5181-1267	21212
	F	23–26	42 mm	Cone	SK-10F-HP-0.63/0.47	002822	6-pk.	Agilent 5181-3360	21215
50 µL	R	23	42 mm	Cone	50R-HP-0.63	004665	ea.		24799



SGE Superflex Flexible Plunger Microliter Syringes

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	F	26	50 mm	2	5FX	001100	ea.	24720
	F	26	50 mm	2	10FX	002100	ea.	24722
10 µL	F	26	50 mm	2	SK-10FX	002130	6-pk.	24718
	R	26	50 mm	2	SK-10RX	002180	6-pk.	24719



24719

SGE Syringe for Hitachi LC Autosamplers

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
500 µL, M10 X1 Thread	500C-HITACH1	007660	ea.	22292



22292

SGE Syringe O-Rings

Volume	Vendor cat.#	qty.	cat.#
500 mL	032527	ea.	21278
1000 mL	032532	ea.	21279



21278

SGE Syringes for Thermo Scientific RSH Autosampler

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
5 µL	F	23	57 mm	Cone	5F-RTC/RSH-5.7/0.63C	001861	ea.	23908
	F	23	85 mm	Cone	5F-RTC/RSH-8.5/0.63C	001863	ea.	23909
	F	26	57 mm	Cone	5F-RTC/RSH-5.7/0.47C	001865	ea.	23910
	F	26	85 mm	Cone	5F-RTC/RSH-8.5/0.47C	001867	ea.	23911
	R	23	57 mm	Cone	5R-RTC/RSH-5.7/0.63C	001871	ea.	23912



23921

Continued



Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	23	57 mm	Cone	10F-RTC/RSH-5.7/0.63C	002861	ea.	23916
	F	23	57 mm	Cone	10F-RTC/RSH-GT-5.7/0.63C	002862	ea.	23917
	F	23	85 mm	Cone	10F-RTC/RSH-8.5/0.63C	002863	ea.	23918
	F	26	57 mm	Cone	10F-RTC/RSH-5.7/0.47C	002865	ea.	23920
	F	26	57 mm	Cone	10F-RTC/RSH-GT-5.7/0.47C	002866	ea.	23921
	F	26	85 mm	Cone	10F-RTC/RSH-8.5/0.47C	002867	ea.	23922
	F	26	85 mm	Cone	10F-RTC/RSH-GT-8.5/0.47C	002868	ea.	23923
	R	23	57 mm	Cone	10R-RTC/RSH-5.7/0.63C	002871	ea.	23924
	R	23	57 mm	Cone	10R-RTC/RSH-GT-5.7/0.63C	002872	ea.	23925
	R	26	57 mm	Cone	10R-RTC/RSH-5.7/0.47C	002875	ea.	23928
25 µL	F	26	57 mm	Cone	10R-RTC/RSH-GT-5.7/0.47C	002876	ea.	23929
					25F-RTC/RSH-GT-5.7/0.47C 2	003866	ea.	23932
50 µL	F	26	57 mm	Cone	50F-RTC/RSH-GT-5.7/0.47C	004866	ea.	23933
100 µL	F	26	57 mm	Cone	100F-RTC/RSH-GT-5.7/0.47(0.11)C	005866	ea.	23934

SGE Syringes for PerkinElmer LC Autosamplers

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
250 µL, 1/4-28 UNF Thread	250D-CX-GT	006995	ea.	22297
500 µL, 1/4-28 UNF Thread	500D-CX-GT	007995	ea.	22298



SGE Syringes for Waters WISP LC Autosamplers

Volume	Vendor Model #	Vendor cat.#	qty.	cat.#
250 µL, 1/4-28 UNF Thread	250D-WISP	006690	ea.	22294



22294

SGE Syringes for CTC LC Autosamplers

Volume	Needle Term.	Needle Gauge	Needle Length	Point Style	Vendor Model #	Vendor cat.#	qty.	cat.#
10 µL	F	22s	2"/51 mm	LC	10F-CTC-LC	002710	ea.	22737
100 µL	R	22s	2"/51 mm	LC	100R-C/T-GT-LC	005330	ea.	22741
500 µL	F	22s	2"/51 mm	LC	500F-CTC-GT-LC(0.41)	007720	ea.	22742



22741

1.0 mL WISP 96 Style, 8 x 40 mm Shell Vials

Description	Type	Volume	Color	Material	Size	qty.	cat.#
WISP 96 Style Vial,	Shell	1.0 mL	Clear	Glass	8 x 40 mm	200-pk.	24662
	Shell	1.0 mL	Clear	Glass	8 x 40 mm	1000-pk.	24663
	Shell	1.0 mL	Amber	Glass	8 x 40 mm	200-pk.	24664
	Shell	1.0 mL	Amber	Glass	8 x 40 mm	1000-pk.	24665
	Shell	1.0 mL	Clear	Polypropylene	8 x 40 mm	200-pk.	24678
	Shell	1.0 mL	Clear	Polypropylene	8 x 40 mm	1000-pk.	24679
	Shell	700 µL Limited Volume	Clear	Polypropylene	8 x 40 mm	200-pk.	24680
	Shell	700 µL Limited Volume	Clear	Polypropylene	8 x 40 mm	1000-pk.	24681



8 mm Starburst Plugs sold separately.

1.5 mL Versa Vials, Polypropylene, 12 x 32 mm

Description	Type	Volume	Color	Material	Size	qty.	cat.#
Versa Vial,	Versa Vial	1.5 mL	Clear	Polypropylene	12 x 32 mm	100-pk.	22705
	Versa Vial	1.5 mL	Clear	Polypropylene	12 x 32 mm	1000-pk.	22706



22705

**12 mm Versa Vial Plugs**

Description	Color	Material	qty.	cat.#
12 mm Versa Vial Plug,	Green	Polyethylene	100-pk.	22713
	Green	Polyethylene	1000-pk.	22714
	Grey	Chlorobutyl/Siliconized	100-pk.	22715
	Grey	Chlorobutyl/Siliconized	1000-pk.	22716
	White	PTFE/Silicone	100-pk.	22717
	White	PTFE/Silicone	1000-pk.	22718
12 mm Versa Vial Plug, Plug w/Slit (Eliminates needle damage to plug.)	White	PTFE/Silicone	100-pk.	22719
	White	PTFE/Silicone	1000-pk.	22720

**2.0 mL Big Mouth Step Design Screw-Thread Vials, 12 x 32 mm, 10 mm/425 Thread (vial only)**

Description	Type	Volume	Color	Size	qty.	cat.#
Big Mouth Step Vial, w/White Graduated Marking Spot	10-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	100-pk.	24626
	10-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	1000-pk.	24627
	10-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	100-pk.	24628
	10-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	1000-pk.	24629

**2.0 mL Big Mouth Step Vial Kits w/Black Caps (preassembled)**

Description	Includes	qty.	cat.#
Big Mouth Step Vial Kit (Preassembled),	Clear 2.0 mL Vial, Black Cap, PTFE/Silicone/Red PTFE Septa, 0.040"	100-pk.	24675
	Clear 2.0 mL Vial, Black Cap, PTFE/Silicone/Red PTFE Septa, 0.040"	1000-pk.	24676
	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	24642
	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	24643
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	24644
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	24645



24642

2.0 mL Preassembled Vial Kits 8 mm/425 Screw-Thread, Unmarked Vials, Septa, and Caps

Description	Includes	Used with	qty.	cat.#
8 mm Screw-Thread Vial Kit (Preassembled),	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.045"	Best fit for Shimadzu.	100-pk.	24630
	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.045"	Best fit for Shimadzu.	1000-pk.	24631
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.045"	Best fit for Shimadzu.	100-pk.	24632
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.045"	Best fit for Shimadzu.	1000-pk.	24633
	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	Best fit for Bruker/Varian.	100-pk.	24634
	Clear 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	Best fit for Bruker/Varian.	1000-pk.	24635
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	Best fit for Bruker/Varian.	100-pk.	24636
	Amber 2.0 mL Vial, Black Cap, Red PTFE/Silicone Septa, 0.065"	Best fit for Bruker/Varian.	1000-pk.	24637



24630

2.0 mL Sample Vial Racks

Description	Size	qty.	cat.#
Polypropylene Storage Rack for 12 x 32 mm Vials	50 vials, 5 x 10	ea.	22856
	50 vials, 5 x 10	5-pk.	22857



22856

2.0 mL Versa Vials, Glass, 12 x 32 mm

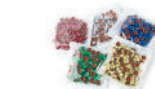
Description	Type	Volume	Color	Material	Size	qty.	cat.#
Versa Vial,	Versa Vial	2.0 mL	Clear	Glass	12 x 32 mm	100-pk.	22701
	Versa Vial	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.	22702
	Versa Vial	2.0 mL	Clear	Glass	12 x 32 mm	100-pk.	22703
Versa Vial, w/Marking Spot	Versa Vial	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.	22704
	Versa Vial	2.0 mL	Amber	Glass	12 x 32 mm	100-pk.	22699
	Versa Vial	2.0 mL	Amber	Glass	12 x 32 mm	1000-pk.	22700





2.0 mL, 11 mm Aluminum Crimp Seals with Septa

Description	Type	Cap Size	Color	Material	Septa Material	qty.	Similar to Part #	cat.#
Seals w/Septa,	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Natural Rubber	100-pk.	Agilent 5181-1210	21174
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Natural Rubber	1000-pk.	Agilent 5183-4498	21175
	Crimp-Top	11 mm	Blue	Aluminum	PTFE/Red Rubber	100-pk.		24351
	Crimp-Top	11 mm	Blue	Aluminum	PTFE/Red Rubber	1000-pk.		24352
	Crimp-Top	11 mm	Green	Aluminum	PTFE/Red Rubber	100-pk.		24353
	Crimp-Top	11 mm	Green	Aluminum	PTFE/Red Rubber	1000-pk.		24354
	Crimp-Top	11 mm	Red	Aluminum	PTFE/Red Rubber	100-pk.		24355
	Crimp-Top	11 mm	Red	Aluminum	PTFE/Red Rubber	1000-pk.		24356
	Crimp-Top	11 mm	Yellow	Aluminum	PTFE/Red Rubber	100-pk.		24357
	Crimp-Top	11 mm	Yellow	Aluminum	PTFE/Red Rubber	1000-pk.		24358
	Crimp-Top	11 mm	Mixed	Aluminum	PTFE/Rubber	500-pk.		21724
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone	100-pk.	Agilent 5182-0552	24359
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone	1000-pk.	Agilent 5183-4500	24360
	Crimp-Top	11 mm	Blue	Aluminum	PTFE/Silicone	100-pk.		24361
	Crimp-Top	11 mm	Blue	Aluminum	PTFE/Silicone	1000-pk.		24362
	Crimp-Top	11 mm	Green	Aluminum	PTFE/Silicone	100-pk.		24363
	Crimp-Top	11 mm	Green	Aluminum	PTFE/Silicone	1000-pk.		24364
	Crimp-Top	11 mm	Red	Aluminum	PTFE/Silicone	100-pk.		24365
	Crimp-Top	11 mm	Red	Aluminum	PTFE/Silicone	1000-pk.		24366
	Crimp-Top	11 mm	Yellow	Aluminum	PTFE/Silicone	100-pk.		24367
	Crimp-Top	11 mm	Yellow	Aluminum	PTFE/Silicone	1000-pk.		24368
	Crimp-Top	11 mm	Mixed	Aluminum	PTFE/Silicone	500-pk.		21725
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone/PTFE	100-pk.		24369
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone/PTFE	1000-pk.		24370
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone w/Slit	100-pk.		26562
	Crimp-Top	11 mm	Silver	Aluminum	PTFE/Silicone w/Slit	1000-pk.		26563



21724

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

2.0 mL, 11 mm Crimp Vial Convenience Kits (Vials, Caps, & Septa)

Description	Includes	qty.	cat.#
Crimp Vial Convenience Kit,	Clear 2.0 mL Vial, Deactivated, Silver Seal, PTFE/Natural Rubber Septa	100-pk.	24671
	Clear 2.0 mL Vial, Deactivated, Silver Seal, PTFE/Natural Rubber Septa	1000-pk.	24672
	Amber 2.0 mL Vial, Deactivated, Silver Seal, PTFE/Natural Rubber Septa	100-pk.	24673
	Amber 2.0 mL Vial, Deactivated, Silver Seal, PTFE/Natural Rubber Septa	1000-pk.	24674
	Clear 2.0 mL Vial, Untreated, Silver Seal, PTFE/Natural Rubber Septa	100-pk.	21196
	Clear 2.0 mL Vial, Untreated, Silver Seal, PTFE/Natural Rubber Septa	1000-pk.	21197
	Amber 2.0 mL Vial, Untreated, Silver Seal, PTFE/Natural Rubber Septa	100-pk.	21198
	Amber 2.0 mL Vial, Untreated, Silver Seal, PTFE/Natural Rubber Septa	1000-pk.	21199
	Clear 2.0 mL Vial, Untreated, Silver Seal, PTFE/Silicone Septa	100-pk.	24646
	Clear 2.0 mL Vial, Untreated, Silver Seal, PTFE/Silicone Septa	1000-pk.	24647
	Amber 2.0 mL Vial, Untreated, Silver Seal, PTFE/Silicone Septa	100-pk.	24648
	Amber 2.0 mL Vial, Untreated, Silver Seal, PTFE/Silicone Septa	1000-pk.	24649



21196

2.0 mL, 11 mm Crimp-Top Vial with 100 µL Insert

Description	Type	Volume	Color	Material	qty.	Similar to Part #	cat.#
Vial with Insert, w/100 µL Polypropylene Insert	11 mm Crimp-Top	2.0 mL	Clear	Plastic	100-pk.	Agilent 9301-0978	24651
	11 mm Crimp-Top	2.0 mL	Clear	Plastic	1000-pk.		24652
Vial with Insert, w/100 µL Glass Insert	11 mm Crimp-Top	2.0 mL	Clear	Plastic	100-pk.	Agilent 9301-0977	24653



24651

2.0 mL, 11 mm Crimp-Top Vials, 12 x 32 mm

Description	Type	Volume	Color	Material	Size	qty.	Similar to Part #	cat.#
Vial, w/White Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	100-pk.	Agilent 5182-0543	24383
	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.	Agilent 5183-4492	24384
Vial, w/Blue Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.		24384B
Vial, w/Green Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.		24384G



Continued



Description	Type	Volume	Color	Material	Size	qty.	Similar to Part #	cat.#
Vial, w/Rust Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.		24384R
Vial, w/Yellow Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.		24384Y
Vial, w/White Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Amber	Glass	12 x 32 mm	100-pk.	Agilent 5181-3376	24385
	11 mm Crimp-Top	2.0 mL	Amber	Glass	12 x 32 mm	1000-pk.	Agilent 5183-4493	24386
Vial, without Graduated Marking Spot	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	100-pk.		21152
	11 mm Crimp-Top	2.0 mL	Clear	Glass	12 x 32 mm	1000-pk.		21153

2.0 mL, 11 mm GC Snap Ring Cap with Septum

Description	Type	Cap Size	Color	Material	Septa Material	qty.	Similar to Part #	cat.#
Snap Ring Cap w/Liner,	Snap-Top	11 mm	Clear	Polypropylene	PTFE, 10 mil	100-pk.		21729
	Snap-Top	11 mm	Clear	Polypropylene	PTFE, 10 mil	1000-pk.		21730
Snap Ring Cap w/Septum,	Snap-Top	11 mm	Clear	Polypropylene	PTFE/Butyl Rubber	100-pk.	Agilent 8010-0104	21731
	Snap-Top	11 mm	Clear	Polypropylene	PTFE/Butyl Rubber	1000-pk.		21732
	Snap-Top	11 mm	Clear	Polypropylene	PTFE/Silicone	100-pk.	Agilent 8010-0106	21733
	Snap-Top	11 mm	Clear	Polypropylene	PTFE/Silicone	1000-pk.		21734



21731

2.0 mL, 11 mm Poly Crimp Seal Caps: Snap-On or Crimp

Description	Type	Cap Size	Color	Septa Material	qty.	cat.#
Poly Crimp Seals and Liner,	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Butyl Rubber	100-pk.	24433
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Butyl Rubber	1000-pk.	24434
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone	100-pk.	24443
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone	1000-pk.	24444
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone	100-pk.	24445
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone	1000-pk.	24446
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone/PTFE	100-pk.	24453
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone/PTFE	1000-pk.	24454
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone/PTFE	100-pk.	24455
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone/PTFE	1000-pk.	24456
	Crimp-Top , Snap-Top	11 mm	Mixed	PTFE/Silicone/PTFE	400-pk.	21728
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone w/Slit	100-pk.	26564
Snap Top Vial Caps,	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone w/Slit	1000-pk.	26565
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone/PTFE w/Starburst	100-pk.	26566
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone/PTFE w/Starburst	1000-pk.	26567
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone w/Starburst	100-pk.	26568
	Crimp-Top , Snap-Top	11 mm	Clear	PTFE/Silicone w/Starburst	1000-pk.	26569
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone w/Starburst	100-pk.	26570
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone w/Starburst	1000-pk.	26571
	Crimp-Top , Snap-Top	11 mm	Blue	PTFE/Silicone w/Starburst	1000-pk.	26571



24434

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

2.0 mL, 8 mm Autosampler Vial Convenience Kits

Description	Includes	qty.	cat.#
Autosampler Vial Convenience Kit,	Clear 2.0 mL Vial, Silcote Deactivated, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	24638
	Clear 2.0 mL Vial, Silcote Deactivated, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	24639
	Amber 2.0 mL Vial, Silcote Deactivated, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	24640
	Amber 2.0 mL Vial, Silcote Deactivated, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	24641
	Clear 2.0 mL Vial, Untreated, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	21192
	Clear 2.0 mL Vial, Untreated, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	21193
	Amber 2.0 mL Vial, Untreated, Black Cap, Red PTFE/Silicone Septa, 0.065"	100-pk.	21194
	Amber 2.0 mL Vial, Untreated, Black Cap, Red PTFE/Silicone Septa, 0.065"	1000-pk.	21195



21194

2.0 mL, 8 mm Caps and Septa (preassembled)

Description	Type	Cap Size	Color	Septa Material	qty.	cat.#
Caps and Septa, Preassembled,	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.065"	100-pk.	21149
	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.065"	1000-pk.	21720



21149

Continued



Description	Type	Cap Size	Color	Septa Material	qty.	cat.#
Caps and Septa, Preassembled, Top Hat	Screw-Thread	8-425	Black	PTFE/Silicone	100-pk.	21721
	Screw-Thread	8-425	Black	PTFE/Silicone	1000-pk.	21722
Vial Caps & Septa,	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.060" w/Slit	100-pk.	26582
	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.060" w/Slit	1000-pk.	26583
Vial Caps & Septa, Flangeless	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.060" w/Slit	100-pk.	26584
	Screw-Thread	8-425	Black	Red PTFE/Silicone, 0.060" w/Slit	1000-pk.	26585

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

2.0 mL, 8 mm Screw-Thread Vials (vial only)

Description	Type	Volume	Color	Size	qty.	Similar to Part #	cat.#
Vial, w/White Graduated Marking Spot	8-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	100-pk.	Agilent 8010-0010	24619
	8-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	1000-pk.		24620
	8-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	100-pk.		24621
	8-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	1000-pk.		24622



2.0 mL, 8 mm Screw-Thread Vials with 100 µL Insert

Description	Type	Volume	Color	Material	Size	qty.	cat.#
Vial, w/100 µL Polypropylene Insert	8-425 Screw-Thread	2.0 mL	Clear	Plastic	12 x 32 mm	100-pk.	24623
	8-425 Screw-Thread	2.0 mL	Clear	Plastic	12 x 32 mm	1000-pk.	24624
Vial, w/100 µL Glass Insert	8-425 Screw-Thread	2.0 mL	Clear	Plastic	12 x 32 mm	100-pk.	24625



Amber plastic vial with clear glass insert available on request. (1000-packs only)

2.0 mL, 9 mm Screw-Thread Vial Convenience Kits (Vials, Caps, & Septa)

Description	Includes			qty.	cat.#
2 mL Screw Thread Vial Kit,	Clear Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Butyl Rubber Liner			100-pk.	26590
	Clear Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Butyl Rubber Liner			1000-pk.	26591
	Clear Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Silicone Liner			100-pk.	26592
	Clear Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Silicone Liner			1000-pk.	26593
	Amber Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Butyl Rubber Liner			100-pk.	26594
	Amber Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Butyl Rubber Liner			1000-pk.	26595
	Amber Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Silicone Liner			100-pk.	26596
	Amber Vial w/Graduated Marking Spot, 9 mm, Blue Cap PTFE/Silicone Liner			1000-pk.	26597



2.0 mL, 9 mm Short-Cap, Screw-Thread Vials (vial only)

Description	Type	Volume	Color	Size	qty.	Similar to Part #	cat.#
Short-Cap Vial, w/White Graduated Marking Spot	9-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	100-pk.	Agilent 5182-0715, 8010-0014	21140
	9-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	1000-pk.	Agilent 5183-2068	21141
	9-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	100-pk.	Agilent 5182-0716	21142
	9-425 Screw-Thread	2.0 mL	Amber	12 x 32 mm	1000-pk.	Agilent 5183-2069	21143
Short-Cap Vial, without Graduated Marking Spot	9-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	100-pk.	Agilent 5182-0714	21154
	9-425 Screw-Thread	2.0 mL	Clear	12 x 32 mm	1000-pk.		21155





2.0 mL, 9 mm Short-Cap, Screw-Vial Closures (Polypropylene, preassembled)

Description	Type	Cap Size	Color	Septa Material	qty.	Similar to Part #	cat.#
Short Screw Caps,	Ribbed, Screw-Thread	9-425	Blue	PTFE/Butyl Rubber, for Agilent 7693A	100-pk.	Agilent 5182-0717	26598
	Ribbed, Screw-Thread	9-425	Blue	PTFE/Butyl Rubber, for Agilent 7693A	1000-pk.	Agilent 5182-0717	26599
	Screw-Thread	9-425	Blue	PTFE/Butyl Rubber	100-pk.	Agilent 5182-0717	24473
	Screw-Thread	9-425	Blue	PTFE/Butyl Rubber	1000-pk.		24474
	Screw-Thread	9-425	Mixed	PTFE/Butyl Rubber	500-pk.		24668
	Ribbed, Screw-Thread	9-425	Blue	PTFE/Silicone, for Agilent 7693A	100-pk.		23841
	Ribbed, Screw-Thread	9-425	Blue	PTFE/Silicone, for Agilent 7693A	1000-pk.		23842
	Screw-Thread	9-425	Blue	PTFE/Silicone	100-pk.	Agilent 5182-0720	24485
	Screw-Thread	9-425	Blue	PTFE/Silicone	1000-pk.	Agilent 5185-5820, 5190-1599	24486
	Screw-Thread	9-425	Green	PTFE/Silicone	100-pk.		24487
	Screw-Thread	9-425	Green	PTFE/Silicone	1000-pk.	Agilent 5185-5864	24488
	Screw-Thread	9-425	Yellow	PTFE/Silicone	100-pk.		24493
	Screw-Thread	9-425	Yellow	PTFE/Silicone	1000-pk.		24494
	Screw-Thread	9-425	Mixed	PTFE/Silicone	500-pk.		24669
	Screw-Thread	9-425	Blue	PTFE/Silicone/PTFE	100-pk.	Agilent 5182-0723	24497
	Screw-Thread	9-425	Blue	PTFE/Silicone/PTFE	1000-pk.		24498
	Screw-Thread	9-425	Black	PTFE/Silicone/PTFE	100-pk.		24495
	Screw-Thread	9-425	Black	PTFE/Silicone/PTFE	1000-pk.		24496
	Screw-Thread	9-425	Natural	PTFE/Silicone/PTFE	100-pk.		24501
	Screw-Thread	9-425	Natural	PTFE/Silicone/PTFE	1000-pk.		24502
	Screw-Thread	9-425	Red	PTFE/Silicone/PTFE	100-pk.		24503
	Screw-Thread	9-425	Red	PTFE/Silicone/PTFE	1000-pk.		24504
	Screw-Thread	9-425	Green	PTFE/Silicone/PTFE	100-pk.		24499
	Screw-Thread	9-425	Green	PTFE/Silicone/PTFE	1000-pk.		24500
	Screw-Thread	9-425	Yellow	PTFE/Silicone/PTFE	100-pk.		24505
	Screw-Thread	9-425	Yellow	PTFE/Silicone/PTFE	1000-pk.		24506
	Screw-Thread	9-425	Mixed	PTFE/Silicone/PTFE	500-pk.		24670
	Screw-Thread	9-425	Black	PTFE/Silicone w/Slit	100-pk.		26572
	Screw-Thread	9-425	Black	PTFE/Silicone w/Slit	1000-pk.		26573
	Screw-Thread	9-425	Green	PTFE/Silicone w/Slit	100-pk.		26574
	Screw-Thread	9-425	Green	PTFE/Silicone w/Slit	1000-pk.		26575
	Screw-Thread	9-425	Red	PTFE/Silicone w/Slit	100-pk.		26576
	Screw-Thread	9-425	Red	PTFE/Silicone w/Slit	1000-pk.		26577
	Screw-Thread	9-425	Blue	PTFE/Silicone w/Slit	100-pk.		26578
	Screw-Thread	9-425	Blue	PTFE/Silicone w/Slit	1000-pk.		26579
	Screw-Thread	9-425	Yellow	PTFE/Silicone w/Slit	100-pk.		26580
	Screw-Thread	9-425	Yellow	PTFE/Silicone w/Slit	1000-pk.		26581



24668

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

2.0 mL, 9 mm Solid-Top Polyethylene Caps

Description	Type	Cap Size	Color	qty.	Similar to Part #	cat.#
2.0 mL, 9 mm Solid-Top Polyethylene Caps,	Screw-Thread	9 mm	Clear	100-pk.	Waters 186004169	23244
	Screw-Thread	9 mm	Clear	1000-pk.	Waters 186004169	23247



23244

4.0 mL WISP 48 Caps and Septa

Description	Type	Cap Size	Material	Septa Material	Size	Used with	qty.	cat.#
WISP 48 Caps and Septa, Top Hat,	Screw-Thread	13-425		PTFE/Silicone			100-pk.	21745
	Screw-Thread	13-425		PTFE/Silicone			1000-pk.	21746
WISP 48 Caps and Septa, Preassembled,	Screw-Thread	13-425		Red PTFE/Silicone, 0.065"			100-pk.	21743
	Screw-Thread	13-425		Red PTFE/Silicone, 0.065"			1000-pk.	21744
Vial Caps & Septa,	Screw-Thread	13-425	Black Polypropylene, Open-Hole	Red PTFE/Silicone, 0.060" w/Slit			100-pk.	26588
	Screw-Thread	13-425	Black Polypropylene, Open-Hole	Red PTFE/Silicone, 0.060" w/Slit			1000-pk.	26589
WISP 48 Caps,	Screw-Thread	13-425	Black Polypropylene, Open-Hole				100-pk.	21741
	Screw-Thread	13-425	Black Polypropylene, Open-Hole				1000-pk.	21742



Continued



Description	Type	Cap Size	Material	Septa Material	Size	Used with	qty.	cat.#
Septa,				Red PTFE/Silicone/PTFE, 0.040"	13 mm x 0.040"	4.0 mL WISP 48 Caps	100-pk.	21751
				Red PTFE/Silicone/PTFE, 0.040"	13 mm x 0.040"	4.0 mL WISP 48 Caps	1000-pk.	21752
				Red PTFE/Silicone, 0.060"	13 mm x 0.060"	4.0 mL WISP 48 Caps	100-pk.	21749
				Red PTFE/Silicone, 0.060"	13 mm x 0.060"	4.0 mL WISP 48 Caps	1000-pk.	21750

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

4.0 mL WISP 48 Screw-Thread Step Vials, 15 x 45 mm, 13-425 (vials only)

Description	Type	Volume	Color	Size	qty.	cat.#
WISP 48 Step Vial, w/White Graduated Marking Spot	13-425 Screw-Thread	4.0 mL	Clear	15 x 45 mm	100-pk.	24654
	13-425 Screw-Thread	4.0 mL	Clear	15 x 45 mm	1000-pk.	24655
	13-425 Screw-Thread	4.0 mL	Amber	15 x 45 mm	100-pk.	24656
	13-425 Screw-Thread	4.0 mL	Amber	15 x 45 mm	1000-pk.	24657



4.0 mL WISP 48 Snap Seal 13 mm Crimp-Top Vial, 15 x 45 mm (vial only)

Description	Type	Volume	Color	Size	qty.	cat.#
WISP 48 Snap Seal Vial, w/White Graduated Marking Spot	13 mm Crimp-Top	4.0 mL	Clear	15 x 45 mm	100-pk.	24658
	13 mm Crimp-Top	4.0 mL	Clear	15 x 45 mm	1000-pk.	24659



24658

60 mL Sample Collection Vials for ASE 200 Systems

Description	Type	Volume	Cap Size	Color	Material	qty.	Similar to Part #	cat.#
Collection Vials for ASE 200,	24-400 Screw-Thread	60 mL	24-400	Clear	Glass	72-pk.	Thermo/Dionex 048784	26121
	24-400 Screw-Thread	60 mL	24-400	Amber	Glass	72-pk.	Thermo/Dionex 048781	26122



8 mm Starburst Plugs for Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm

Description	Color	Material	Used with	qty.	cat.#
8 mm Starburst Snap Plugs,	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	200-pk.	21769
	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	1000-pk.	21770
8 mm Starburst Snap Plugs, Conical	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	200-pk.	21771
	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	1000-pk.	21772
8 mm Starburst Snap Plugs, Silicone-Lined	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	200-pk.	21773
	Clear	Polyethylene	Shell Vials, 1.0 mL WISP 96 Style, 8 x 40 mm	1000-pk.	21774



21769

Aluminum Seals w/Septa for 4.0 mL WISP Crimp-Top Vials

Description	Type	Cap Size	Color	Material	Septa Material	qty.	cat.#
WISP 48 Seals w/Septa,	Crimp-Top	13 mm	Silver	Aluminum	PTFE/Butyl Rubber	100-pk.	21753
	Crimp-Top	13 mm	Silver	Aluminum	PTFE/Butyl Rubber	1000-pk.	21754
	Crimp-Top	13 mm	Silver	Aluminum	PTFE/Silicone	100-pk.	21755



21753

Aluminum Seals w/Septa, 20 mm, preassembled

Description	Type	Cap Size	Color	Material	Septa Material	qty.	cat.#
Seals w/Septa,	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Gray Butyl Rubber	100-pk.	21761
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Gray Butyl Rubber	1000-pk.	21762
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Silicone	100-pk.	21763
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Silicone	1000-pk.	21764
Pressure Release Seals w/Septa*,	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Gray Butyl Rubber	100-pk.	21765
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Gray Butyl Rubber	1000-pk.	21766
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Silicone	100-pk.	21767
	Crimp-Top	20 mm	Silver	Aluminum	PTFE/Silicone	1000-pk.	21768



*Pressure release point: 3.0 bar $\pm$ 0.5 bar



Base with Mounting Kit for High-Power Crimping Tool

Description	qty.	cat.#
Base with mounting kit for high-power crimping tool	ea.	23423



23423

Caps and Septa for 2.0 mL Big Mouth Step Vials (preassembled)

Description	Type	Cap Size	Color	Septa Material	qty.	cat.#
Vial Caps & Septa, Preassembled,	Screw-Thread	10-425	Black	Red PTFE/White Silicone, 0.060"	1000-pk.	24677
	Screw-Thread	10-425	Black	PTFE/Silicone/PTFE, 0.040"	1000-pk.	21723
	Screw-Thread	10-425	Black	Red PTFE/Silicone, 0.060" w/Slit	100-pk.	26586
	Screw-Thread	10-425	Black	Red PTFE/Silicone, 0.060" w/Slit	1000-pk.	26587



24677

Choose preslit caps (available for some vials) to reduce the risk of needle bending, release vacuum from high-volume injections, and improve injection reproducibility when greater than 20% of vial volume is withdrawn.

Caps for 2.0 mL, 8 mm Screw-Thread Vials

Description	Type	Cap Size	Color	Material	qty.	cat.#
Caps, Open-Hole	Screw-Thread	8-425	Black	Polypropylene	100-pk.	21176
	Screw-Thread	8-425	Black	Polypropylene	1000-pk.	21177



21176

Certified Autosampler Vial Kits Certified 2.0 mL Screw-Thread Vials

Description	Includes	qty.	Similar to Part #	cat.#
Certified Autosampler Vial Kit,	Assembled Clear 2.0 mL Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Slit Septa	100-pk.	Agilent 5183-2071	22789
	Assembled Amber 2.0 mL Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Slit Septa	100-pk.	Agilent 5183-2072	22788
	Unassembled Clear 2.0 mL Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Septa	100-pk.		22792
	Unassembled Clear 2.0 mL High-Recovery Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Slit Septa	100-pk.		22793
	Unassembled Amber 2.0 mL Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Septa	100-pk.		22790
	Unassembled Amber 2.0 mL Vial w/Marking Spot, Cap, Bonded PTFE/Silicone Slit Septa	100-pk.		22791



Crimping Tool Stand

Description	qty.	cat.#
Crimping Tool Stand	ea.	23475



23475

Easy Grip Manual Crimpers and Decappers

Description	Size	qty.	cat.#
Crimper	11 mm	ea.	23396
Decapper	11 mm	ea.	23397
Crimper	20 mm	ea.	23398
Decapper	20 mm	ea.	23399



23397

Electronic Rechargeable Crimpers and Decappers with OLED Display Screen

Description	Size	Certification/Compliance	qty.	cat.#
Electronic Rechargeable Crimper with OLED Display Screen	11 mm	CE, RoHS, REACH	kit	23234
	20 mm	CE, RoHS, REACH	kit	23235
Electronic Rechargeable Decapper with OLED Display Screen	11 mm	CE, RoHS, REACH	kit	23237
	20 mm	CE, RoHS, REACH	kit	23238



23234

Note: Not suitable for all-steel or bi-metal caps—please use a high-power electronic crimping tool (cat.# 23236) for these materials.

Headspace Crimp Vials, 20 mm

Description	Type	Volume	Color	Size	qty.	Similar to Part #	cat.#
Headspace Vial, Flat Bottom	20 mm Crimp-Top	6 mL	Clear	22 x 38 mm	100-pk.		21166
	20 mm Crimp-Top	6 mL	Clear	22 x 38 mm	1000-pk.		21167
	20 mm Crimp-Top	10 mL	Clear	23 x 46 mm	100-pk.	Agilent 8010-0029	24683
	20 mm Crimp-Top	10 mL	Clear	23 x 46 mm	1000-pk.		24684



Continued



Description	Type	Volume	Color	Size	qty.	Similar to Part #	cat.#
Headspace Vial, Rounded Bottom	20 mm Crimp-Top	10 mL	Clear	23 x 46 mm	100-pk.		21164
	20 mm Crimp-Top	10 mL	Clear	23 x 46 mm	1000-pk.		21165
Headspace Vial, Rounded Bottom, Deactivated	20 mm Crimp-Top	10 mL	Clear	23 x 46 mm	1000-pk.		21165-221
Headspace Vial, Flat Bottom	20 mm Crimp-Top	20 mL	Clear	23 x 75 mm	100-pk.	Agilent 8010-0033	24685
	20 mm Crimp-Top	20 mL	Clear	23 x 75 mm	1000-pk.		24686
Headspace Vial, Rounded Bottom	20 mm Crimp-Top	20 mL	Clear	23 x 75 mm	100-pk.		21162
	20 mm Crimp-Top	20 mL	Clear	23 x 75 mm	1000-pk.		21163
Headspace Vial, Flat Bottom	20 mm Crimp-Top	27 mL	Clear	30 x 60 mm	100-pk.		21160
	20 mm Crimp-Top	27 mL	Clear	30 x 60 mm	1000-pk.		21161

Headspace Screw-Thread Vials, 18 mm

Description	Type	Volume	Color	Size	qty.	cat.#
Headspace Vial, Rounded Bottom	18-425 Screw-Thread	20 mL	Clear	22 x 75 mm	100-pk.	23082
	18-425 Screw-Thread	20 mL	Clear	22 x 75 mm	1000-pk.	23083
	18-425 Screw-Thread	20 mL	Amber	22 x 75 mm	100-pk.	23086
	18-425 Screw-Thread	20 mL	Amber	22 x 75 mm	1000-pk.	23087
	18-425 Screw-Thread	10 mL	Clear	22 x 45 mm	100-pk.	23084
	18-425 Screw-Thread	10 mL	Clear	22 x 45 mm	1000-pk.	23085
	18-425 Screw-Thread	10 mL	Amber	22 x 45 mm	100-pk.	23088
	18-425 Screw-Thread	10 mL	Amber	22 x 45 mm	1000-pk.	23089

Caps not included (sold separately).



High-Power Electronic Crimping Tool with OLED Display Screen

Description	Certification/Compliance	qty.	cat.#
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for China	CE, RoHS, REACH	ea.	23236-CN
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for Europe	CE, RoHS, REACH	ea.	23236-EU
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for Japan	CE, RoHS, REACH	ea.	23236-JP
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for Taiwan	CE, RoHS, REACH	ea.	23236-TW
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for United Kingdom	CE, RoHS, REACH	ea.	23236-UK
High-Power Electronic Crimping Tool with OLED Display Screen, power cable for United States	CE, RoHS, REACH	ea.	23236-US



Inserts for 2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread, and 2.0 mL, 10 mm Big Mouth Screw-Thread Vials

Description	Volume	Material	Used with	qty.	Similar to Part #	cat.#
Big Mouth Insert, w/Bottom Spring	50 µL	Glass	2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials	100-pk.		24513
	50 µL	Glass	2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials	1000-pk.		21782
	250 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	100-pk.	Agilent 5181-1270	21776
	250 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	1000-pk.		21777
Big Mouth Insert, w/Glass Flange (Step Design)*	250 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	100-pk.		24516
	250 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	1000-pk.		21779
Insert, Flat Bottom	350 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	100-pk.		21780
	350 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	1000-pk.	Agilent 5181-3377	24517
Insert, Flat Bottom w/ID Ring	350 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	100-pk.		24692
	350 µL	Glass	2.0 mL, 11 mm Crimp-Top Vials, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials, 2.0 mL, 10 mm Big Mouth Step Design Screw-Thread Vials	1000-pk.		24693
Big Mouth Insert, w/Bottom Spring	250 µL	Polypropylene	2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials	100-pk.	Agilent 5182-0549	24518



Continued



Description	Volume	Material	Used with	qty.	Similar to Part #	cat.#
Big Mouth Insert, w/Bottom Spring & Graduated Markings	250 µL	Polypropylene	2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials	100-pk.		24518A
Big Mouth Insert, No Spring	250 µL	Polypropylene	2.0 mL, 11 mm Crimp-Top, 2.0 mL, 9 mm Short-Cap, Screw-Thread Vials	100-pk.		24520

*Big Mouth insert w/glass flange (step design) not to be used with 9 mm screw-thread vials.

If not listed, polypropylene inserts may be available on request (1000-packs only).

Inserts for 2.0 mL, 8 mm Screw-Thread Vials

Description	Volume	Material	Used with	qty.	cat.#
Insert, w/Polypropylene Bottom Spring	100 µL	Glass	2.0 mL, 8 mm Screw-Thread Vials	100-pk.	24508
	100 µL	Glass	2.0 mL, 8 mm Screw-Thread Vials	1000-pk.	21775
Insert, Flat Bottom	250 µL	Glass	2.0 mL, 8 mm Screw-Thread Vials	1000-pk.	24510
Insert, Flat Bottom w/ID Ring	250 µL	Glass	2.0 mL, 8 mm Screw-Thread Vials	1000-pk.	24691
Insert, No Spring	100 µL	Polypropylene	2.0 mL, 8 mm Screw-Thread Vials	100-pk.	24511
Insert, w/Bottom Spring	100 µL	Polypropylene	2.0 mL, 8 mm Screw-Thread Vials	100-pk.	24512



Inserts for 4.0 mL WISP 48 Screw-Thread Step Vials

Description	Volume	Material	Used with	qty.	cat.#
Insert for WISP 48 Vials, Flat Bottom	500 µL	Glass	4.0 mL WISP 48 Screw-Thread Step Vials	100-pk.	21787
	500 µL	Glass	4.0 mL WISP 48 Screw-Thread Step Vials	1000-pk.	21788

Polypropylene inserts available on request (1000-packs only).

21787



Inserts for Versa Vials

Description	Volume	Material	qty.	cat.#
Versa Vial Insert, w/Glass Flange	250 µL	Glass	100-pk.	22707
Versa Vial Insert, w/Flange	250 µL	Polypropylene	100-pk.	22709
Versa Vial Insert, Flat Bottom	250 µL	Glass	100-pk.	22711
	250 µL	Glass	1000-pk.	22712



Interchangeable Jaws for High-Power Crimping Tools

Description	Size	Used with	qty.	cat.#
Interchangeable crimper jaw set	11 mm	for use with high-power crimping tool	ea.	23424
	20 mm	for use with high-power crimping tool	ea.	23425
Interchangeable decapper jaw set	11 mm	for use with high-power crimping tool	ea.	23426
	20 mm	for use with high-power crimping tool	ea.	23427

23425



Interlock Vials

Description	Type	Volume	Color	Material	Size	qty.	cat.#
Interlock Vial,	9-425 Thread	300 µL	Clear	Glass	12 x 32 mm	100-pk.	22433
	9-425 Thread	300 µL	Clear	Glass	12 x 32 mm	500-pk.	22434
	9-425 Thread	300 µL	Amber	Glass	12 x 32 mm	100-pk.	22435
	9-425 Thread	300 µL	Amber	Glass	12 x 32 mm	500-pk.	22436
	11 mm Crimp or Snap Ring	300 µL	Clear	Glass	12 x 32 mm	100-pk.	22437
	11 mm Crimp or Snap Ring	300 µL	Clear	Glass	12 x 32 mm	500-pk.	22438
	11 mm Crimp or Snap Ring	300 µL	Amber	Glass	12 x 32 mm	100-pk.	22439
	11 mm Crimp or Snap Ring	300 µL	Amber	Glass	12 x 32 mm	500-pk.	22440



Limited-Volume 2.0 mL, 9 mm Screw-Thread Polypropylene Vials

Description	Type	Volume	Color	Size	qty.	Similar to Part #	cat.#
Limited-Volume 2.0 mL, 9 mm Screw-Thread Polypropylene Vials,	9 mm Screw-Thread	1.5 mL	Clear	12 x 32 mm	100-pk.	Thermo Fisher Scientific C4000-14	23242
	9 mm Screw-Thread	1.5 mL	Clear	12 x 32 mm	1000-pk.	Thermo Fisher Scientific C4000-14	23245
	9 mm Screw-Thread	700 µL	Clear	12 x 32 mm	100-pk.	Waters 186005230	23243
	9 mm Screw-Thread	700 µL	Clear	12 x 32 mm	1000-pk.	Waters 186005230	23246

23242





Magnetic Screw-Thread Caps, 18 mm

Description	Type	Cap Size	Septa Material	qty.	cat.#
Magnetic Caps and Septa for SPME,	Screw-Thread	18-425	Blue PTFE/Silicone, 1.5 mm thick	100-pk.	23090
	Screw-Thread	18-425	Blue PTFE/Silicone, 1.5 mm thick	1000-pk.	23091
Magnetic Caps and Septa,	Screw-Thread	18-425	Red PTFE/Silicone, 1.9 mm thick	100-pk.	23092
	Screw-Thread	18-425	Red PTFE/Silicone, 1.9 mm thick	1000-pk.	23093
	Screw-Thread	18-425	PTFE/Red Chlorobutyl	100-pk.	23094
	Screw-Thread	18-425	PTFE/Red Chlorobutyl	1000-pk.	23095



Magnetic Seals w/Septa, 20 mm, preassembled

Description	Type	Cap Size	Color	Material	Septa Material	qty.	cat.#
Magnetic Seals w/Septa, with 5 mm Hole	Crimp-Top	20 mm	Gold	steel	PTFE/Silicone	100-pk.	22833
	Crimp-Top	20 mm	Gold	steel	PTFE/Silicone	1000-pk.	22834
	Crimp-Top	20 mm	Gold	steel	PTFE/Silicone	100-pk.	22831
Magnetic Seals w/Septa, with 8 mm Hole	Crimp-Top	20 mm	Gold	steel	PTFE/Silicone	1000-pk.	22832
	Crimp-Top	20 mm	Gold	steel	PTFE/Butyl	100-pk.	22835
	Crimp-Top	20 mm	Gold	steel	PTFE/Butyl	1000-pk.	22836
	Crimp-Top	20 mm	Red/Silver	aluminum/steel	PTFE/Silicone	100-pk.	22441
	Crimp-Top	20 mm	Red/Silver	aluminum/steel	PTFE/Silicone	1000-pk.	22442
BiMetal Magnetic Seals w/Septa, with 8 mm Hole	Crimp-Top	20 mm	Blue/Silver	aluminum/steel	PTFE/Silicone	100-pk.	22443
	Crimp-Top	20 mm	Blue/Silver	aluminum/steel	PTFE/Silicone	1000-pk.	22444



5 mm hole is compatible with the following systems: Carlo Erba HS500/HS800, CTC 500, Fisons HS500/HS800, and Bruker/Varian/Chrompack 9020/25. 8 mm hole is compatible with the Combi Pal. BiMetal and standard magnetic crimp-cap seals are more rigid than aluminium crimp-cap seals and require more force to seal and decap. To prevent user fatigue, Restek recommends using high-power electronic crimpers/decappers instead of manual or battery-powered crimpers/decappers when using BiMetal and standard magnetic crimp-cap seals.

Micro-Vials with Screw Threads

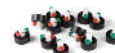
Description	Type	Volume	Cap Size	Color	Material	qty.	cat.#
Micro-Vial, Open Top Screw Cap with PTFE/Silicone Septa (attached), w/Graduated Marking Spot	13-425 Screw-Thread	1.0 mL	13-425	Clear	Borosilicate Glass	12-pk.	21050
	20-400 Screw-Thread	3.0 mL	20-400	Clear	Borosilicate Glass	12-pk.	21051



21050

Mininert Precision Sampling Valves for Vials

Description	Type	Cap Size	qty.	cat.#
Mininert Precision Sampling Valves,	Screw-Thread	13-425	12-pk.	24900
	Screw-Thread	15-425	12-pk.	24901
	Screw-Thread	18-400	12-pk.	24902
	Screw-Thread	20-400	12-pk.	24903
	Screw-Thread	24-400	12-pk.	24904
	Crimp-Top	13 mm	12-pk.	24905



24904

Precleaned Volatile Organic Analyte (VOA) Sampling Vials

Description	Type	Volume	Cap Size	Color	Material	qty.	cat.#
Precleaned VOA Vials,	24-400 Screw-Thread	20 mL	24-400	Clear	Glass	72-pk.	21798
	24-400 Screw-Thread	20 mL	24-400	Amber	Glass	72-pk.	21799
	24-400 Screw-Thread	40 mL	24-400	Clear	Glass	72-pk.	21796
	24-400 Screw-Thread	40 mL	24-400	Amber	Glass	72-pk.	21797



Replacement Battery for Electronic Crimpers and Decappers

Description	Certification/Compliance	qty.	cat.#
Replacement Battery for Electronic Rechargeable Crimpers and Decappers	CE, RoHS, REACH	ea.	22362

Note: International shipping restrictions apply. This battery only ships via ground in the contiguous U.S.

Please contact Restek's customer service to clarify shipping options for this part.



22362

Replacement Parts & Accessories for Mininert Precision Sampling Valves for Vials

Description	qty.	cat.#
Replacement Septa for Mininert Precision Sampling Valves for Vials,	50-pk.	24906
Septum Insertion Tool,	ea.	24907



24907



Replacement Septa, PTFE-Lined Silicone for VOA Sampling Vials, 60 mL Sample Collection Vials, and 250 mL Sample Collection Bottles

Description	qty.	cat.#
Replacement Septa, PTFE-lined silicone, 24 mm x 0.125"	100-pk.	24694



24694

Resprep PPT³ 96-Well Plates

Description	Well Shape	qty.	cat.#
Resprep PPT ³ 96-Well Plate	2 mL square	2-pk.	26489.2
	2 mL square	5-pk.	26489.5



26489.5

Septa for 2.0 mL Big Mouth Step Vials

Description	Septa Material	Size	Used with	qty.	cat.#
Septa Only,	Red PTFE/White Silicone, 0.060"	10 mm x 0.060"	2.0 mL Big Mouth Step Vials	1000-pk.	21148



21148

Septa for 8 mm Screw-Thread Vials

Description	Septa Material	Size	Used with	qty.	cat.#
Septa,	Red PTFE/Silicone	8 mm x 0.060"	8 mm Screw-Thread Vials	100-pk.	21178
	Red PTFE/Silicone	8 mm x 0.060"	8 mm Screw-Thread Vials	1000-pk.	21179
	Red PTFE/White Silicone	8 mm x 0.065"	8 mm Screw-Thread Vials	100-pk.	21795
	Red PTFE/White Silicone	8 mm x 0.065"	8 mm Screw-Thread Vials	1000-pk.	21147



21179

SPME MicroCenter Caps and Septa

Description	Type	Cap Size	Color	Septa Material	Note	qty.	cat.#
SPME Vial Cap,	Screw-Thread	18-425		MicroCenter PTFE/Silicone, 0.040" (+/-0.005")		100-pk.	23852
	Screw-Thread	18-425		MicroCenter PTFE/Silicone, 0.040" (+/-0.005")		1000-pk.	23853
	Bi-Metal Crimp	20 mm	Blue	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		100-pk.	23854
	Bi-Metal Crimp	20 mm	Blue	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		1000-pk.	23855
	Bi-Metal Crimp	20 mm	Red	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		100-pk.	23856
	Bi-Metal Crimp	20 mm	Red	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		1000-pk.	23857
	Steel Crimp	20 mm	Gold	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		100-pk.	23858
	Steel Crimp	20 mm	Gold	MicroCenter PTFE/Silicone, 0.065" (+/-0.005")		1000-pk.	23859
SPME Vial Septa, 18 mm,				MicroCenter PTFE/Silicone, 0.040" (+/-0.005")	Not for use with 20 mm caps.	100-pk.	23850
				MicroCenter PTFE/Silicone, 0.040" (+/-0.005")	Not for use with 20 mm caps.	1000-pk.	23851



Square-Well Sealing Mats for 96-Well Plates

Description	qty.	cat.#
Square-Well Sealing Mats for 96-Well Plates	5-pk.	28296



28296

Universal Sealing Mats

Description	qty.	cat.#
Universal Sealing Mat	10-pk.	26499
	case of 50	26498



26498



Vial Rack for Headspace Vials

Description	Size	qty.	cat.#
Polypropylene Vial Storage Rack for 6, 10, or 20 mL Headspace Vials	36 vial capacity	ea.	22643
	36 vial capacity	5-pk.	22644



22643

Well Plates

Description	Well Bottom	Well Shape	qty.	cat.#
0.45 mL 96-Well Plates	conical	round	20-pk.	26497
	conical	round	case of 120	26496
1.3 mL 96-Well Plates	round	round	5-pk.	26495
	round	round	case of 50	26494
2.0 mL 96-Well Plates	round	round	5-pk.	26493
	round	round	case of 60	26492



26494

Notes:

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