



MultiPurpose Sampler MPS

MPS robotic

MPS robotic^{pro}

MPS liquid



GERSTEL® MPS robotic

Versatile autosampler and sample preparation robot
As a new member of the MPS family, the MPS robotic is a highly efficient GC/MS autosampler with extended robotic functionality. The MPS robotic provides reliable processing of complex tasks. Syringe holders and syringes are integrated in special syringe modules, which can be exchanged automatically within a running sequence when using the MPS robotic^{pro} for maximum flexibility.

This Supplies catalogue provides a list of certified consumables, accessories and spare parts essential for the smooth operation of your GERSTEL® MPS robotic. You have the right to demand the highest quality performance from GERSTEL systems and we have compiled this list so that this performance can be maintained throughout the life of your system. Please use only consumables, accessories and spare parts provided by GERSTEL. All GERSTEL products are made to exact specifications. Use of products not approved by GERSTEL can cause system malfunction or damage and may void system warranty.

If you have any questions please do not hesitate to contact GERSTEL. Typically, the most efficient way is to contact your local sales representative.

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GERSTEL Universal Syringe Module USM

The GERSTEL USM is a universal syringe module for liquid syringes ranging from 1 to 1,000 μL total volume. Given the extended volume range, most application requirements can be met without changing syringe modules, saving both time and money – and reducing the risk of error. The USM is compatible with the GERSTEL Gripper enabling automated performance of multiple sample preparation techniques. As an example, GC liners can be replaced automatically at a user defined frequency, using Automated Liner Exchange (ALEX). A further example is the automated thermal desorption of adsorbent tubes, solid samples such as polymers, or GERSTEL Twisters in the Thermal Desorption Unit (TDU).

Part No.

100100-101-00



GERSTEL Prep Syringe Module PSM

The GERSTEL Prep Syringe Module (PSM) is used for large volume syringes with a total volume of 1 mL or more. The PSM is used for automated sample preparation and is compatible with the GERSTEL Gripper enabling automated Solid Phase Extraction (SPE), Filtration of samples, or Elution of DNP cartridges.

Part No.

100100-105-00



GERSTEL gripper for MPS Robotic/robotic^{pro}

Gripper for the following options:

GERSTEL-AutomatedLinerEXchange ALEX,

GERSTEL-AutomatedTDU-LinerEXchange ATEX and

GERSTEL-Dynamic Headspace DHS

Part No.

019597-003-00

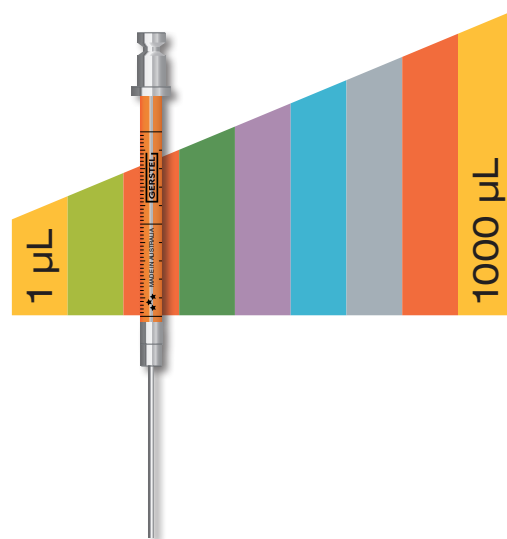
GERSTEL TriStar Syringes

Autosampler Syringes for the MPS family

You need an excellent autosampler syringe in order to perform complex sample preparation methods and reliably inject large series of samples to a chromatography system. Lowest possible sample to sample carry-over and highest accuracy are required. Modern mass spectrometers detect every trace contamination placing high demands on rinsing, solvent quality and syringe quality. GERSTEL TriStar Syringes are designed and produced to meet these demands. The rugged and inert materials used provide resilience to solvents, expanded temperature range and long life expectancy. The number of cycles that can be performed with TriStar syringes has been expanded by a factor of up to ten compared with standard syringes.

The TriStar syringe series offers several improvements to minimize or eliminate sources for carry-over, such as reduced residual volumes and active sites inside the syringe.

The sample is kept clean and uncontaminated, and the needle remains solidly mounted without the risk of solvent attacking the glue. GERSTEL TriStar Syringes for the GERSTEL MPS family are available in all standard sizes.



Benefits of the GERSTEL TriStar Syringes

Color coded

- Easy selection of the correct syringe volume through clear and unambiguous color coding
- Reliable analysis, the risk of incorrect syringe selection is minimized

Inert, rugged material

- Reliable analysis performance with solvent-resistant surfaces
- Extended temperature range for increased ruggedness and application range
- Long life span with reliable operation

Optimized assembly

- Carry-over minimized through reduced residual volumes in the plunger assembly, improved surfaces and PTFE surface sealing
- Carry over and contamination reduced through improved syringe-to-needle connection, eliminating cavities and contact with glue.
- Active plunger tip provides improved Headspace syringe sealing and reduced temperature equilibration times resulting in improved flexibility and productivity

Compatibility:

- Previous versions plungers and needles can be used for TriStar syringes, but it is not recommended to use TriStar plungers and needles for previous version syringes.

Color	Syringe volume	
Yellow	1 µL	1 mL
Lime	5 µL	5 mL
Dark Orange	10 µL	
Green	25 µL	
Purple	50 µL	
Aqua	100 µL	
Grey	250 µL	2.5 mL
Dark Orange	500 µL	

GERSTEL TriStar syringes for liquid injection

For GERSTEL Universal Syringe Modul (100100-101-00) in combination with MPS robotic and MPS robotic^{pro}, and for MPS liquid.



with replaceable needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	5		0.47/0.11/65/C	1	100111-011-00
	5		0.63/0.11/65/C	1	100111-012-00
	10	●	0.47/0.11/65/C	1	100111-016-00
	10	●	0.63/0.11/65/C	1	100111-018-00
	10	●	0.72/0.17/65/LC	1	100111-019-00
	25	●	0.63/0.11/65/C	1	100111-000-00
	25	●	0.72/0.17/65/LC	1	100111-001-00
	50	●	0.63/0.11/65/C	1	100111-002-00
	50	●	0.72/0.17/65/LC	1	100111-003-00
	100	●	0.63/0.11/65/C	1	100111-004-00
	100	●	0.72/0.17/65/LC	1	100111-005-00
	250	●	0.63/0.32/65/C	1	100111-020-00
	250	●	0.72/0.17/65/LC	1	100111-021-00
	500	●	0.63/0.32/65/C	1	100111-022-00
	500	●	0.72/0.17/65/LC	1	100111-023-00
	1000	●	0.63/0.32/65/C	1	100111-024-00
	1000	●	0.72/0.37/65/LC	1	100111-025-00
replacement plunger					
	10	●		1	100111-800-00
	25	●		1	100111-801-00
	50	●		1	100111-802-00
	100	●		1	100111-803-00
	250	●		1	100111-804-00
	500	●		1	100111-805-00
	1000	●		1	100111-806-00
replacement needle					
	5		0.47/0.11/65/C	2	100111-502-00
	5		0.63/0.11/65/C	2	100111-503-00
	10	●	0.47/0.11/65/C	2	100111-504-00
	10	●	0.63/0.11/65/C	2	100111-505-00
	10	●	0.72/0.17/65/LC	2	100111-506-00
	25 - 100	●	0.63/0.11/65/C	2	100111-500-00
	25 - 100	●	0.72/0.17/65/LC	2	100111-501-00
	250 - 500	●	0.63/0.32/65/C	2	100111-507-00
	250 - 500	●	0.72/0.17/65/LC	2	100111-508-00
	1000	●	0.63/0.32/65/C	2	100111-509-00
	1000	●	0.72/0.37/65/LC	2	100111-510-00

GERSTEL TriStar syringes *for liquid injection*

For GERSTEL Universal Syringe Modul (100100-101-00) in combination with MPS robotic and MPS robotic^{PRO}, and for MPS liquid.

	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
needle in needle	1		0.47/0.15/65/C	1	100111-008-00
needle in needle	1		0.63/0.15/65/C	1	100111-006-00
repair kit					
for syringe 100111-008-00	1		0.47/0.15/65/C	2	100111-551-00
for syringe 100111-006-00	1		0.63/0.15/65/C	2	100111-550-00

with fixed needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	5		0.47/0.11/65/C	1	100111-009-00
	5		0.63/0.11/65/C	1	100111-010-00
	10		0.47/0.11/65/C	1	100111-013-00
	10		0.63/0.11/65/C	1	100111-014-00
	10	●	0.47/0.11/65/C	1	100111-015-00
	10	●	0.63/0.11/65/C	1	100111-017-00
replacement plunger	10	●		1	100111-800-00



GERSTEL TriStar syringes *for liquid injection*

For MPS robotic tool D8/85

with replaceable needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	5		0.63/0.11/85/C	1	100108-009-00
	10	●	0.63/0.11/85/C	1	100108-010-00
	25	●	0.63/0.11/85/C	1	100108-000-00
	50	●	0.63/0.11/85/C	1	100108-001-00
	100	●	0.63/0.11/85/C	1	100108-002-00
	250	●	0.63/0.32/85/C	1	100108-003-00
	250	●	0.72/0.37/35/LC	1	100108-004-00
	500	●	0.63/0.32/85/C	1	100108-005-00
	500	●	0.72/0.37/85/LC	1	100108-006-00
	1000	●	0.63/0.32/85/C	1	100108-007-00
	1000	●	0.72/0.37/85/LC	1	100108-008-00
replacement plunger					
	10	●		1	100111-800-00
	25	●		1	100111-801-00
	50	●		1	100111-802-00
	100	●		1	100111-803-00
	250	●		1	100111-804-00
	500	●		1	100111-805-00
	1000	●		1	100111-806-00
replacement needle					
	5		0.47/0.11/85/C	2	100108-510-00
	5		0.63/0.11/85/C	2	100108-509-00
	10	●	0.47/0.11/85/C	2	100111-512-00
	10	●	0.63/0.11/85/C	2	100108-511-00
	25 - 100	●	0.63/0.11/85/C	2	100108-500-00
	250 - 500	●	0.63/0.32/85/C	2	100108-503-00
	250 - 500	●	0.72/0.37/85/LC	2	100108-504-00
	1000	●	0.63/0.32/85/C	2	100108-507-00
	1000	●	0.72/0.37/85/LC	2	100108-508-00

Mikroliter-Spritze *for Headspace injection*

For MPS robotic tool D7/57

with fixed needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	5		0.63/0.11/57/C	1	100104-001-00
	10		0.63/0.11/57/C	1	100104-010-00
	10	●	0.63/0.11/57/C	1	100104-100-00
	50	●	0.63/0.11/57/C	1	100104-102-00
	100	●	0.63/0.11/57/C	1	100104-101-00
replacement plunger					
	50	●		1	100104-802-00
	100	●		1	100104-803-00

GERSTEL TriStar syringes *for liquid injection*

For MPS robotic tool D18/57

with replaceable needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	10000	●	0.72/0.37/57/LC	1	100109-000-00
	10000	●	1.07/0.65/57/LC	1	100109-001-00
replacement plunger	10000	●		1	100109-800-00
replacement needle	10000	●	0.63/0.32/57/C	2	100109-500-00
	10000	●	0.72/0.37/57/LC	2	100109-501-00
	10000	●	1.07/0.65/57/LC	2	100108-502-00

GERSTEL TriStar HS syringe *for Headspace injection*

For MPS robotic Headspace tool HS 1000; HS 2500

with replaceable needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
for HS tool HS 1000	1000	●	0.63/0.32/65/H	1	100106-000-00
for HS tool HS 2500	2500	●	0.63/0.32/65/H	1	100106-001-00
replacement plunger	1000	●		1	100106-800-00
	2500	●		1	100106-801-00
replacement needle	1000 - 2500	●	0.63/0.32/65/H	2	100106-500-00

GERSTEL TriStar syringe

for MPS robotic SPE/DPX/Prep syringe module

with replaceable needle	volume μL	gastight	needle OD/ID/L/Tip [mm]	unit	Part No.
	1000	●	0.63/0.32/65/C	1	100112-000-00
	2500	●	0.63/0.32/65/C	1	100112-001-00
replacement plunger	1000	●		1	100112-800-00
	2500	●		1	100112-801-00
replacement needle	1000 - 2500	●	0.63/0.32/65/C	2	100112-500-00
	1000 - 2500	●	0.72/0.37/65/LC	2	100112-501-00



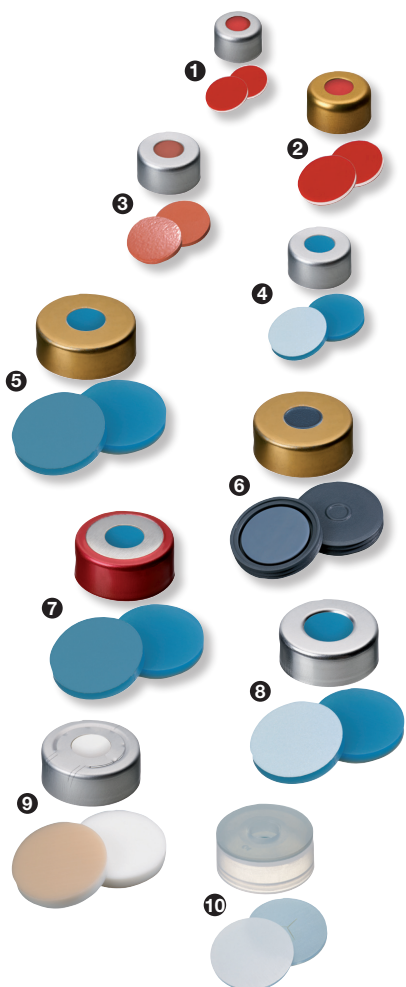
Sample vials and caps

Crimp cap vials

Type	mL	Seal size (mm)	unit	Part no.
clear	0.7	8	100	093640-052-00 ①
clear	1.5	11	100	093640-004-00 ②
clear	2.5	11	100	093640-074-00 ③
clear	10	20	100	093640-005-00 ④
clear	10	20	1000	093640-069-00 ④
clear	20	20	100	093640-006-00 ⑤
clear	20	20	1000	093640-068-00 ⑤
clear	25	20	100	093640-073-00 ⑥
clear	100	20	88	093640-062-00 ⑥
Solvent bottle, includes cap & septum	100	20	1	093631-054-00 ⑦

Crimp caps with septum for vials

If vials need to be reopened and emptied after analysis, magnetic vial caps with aluminum edges (Bi-metal) offer the best solution. The softer edges allow easy crimping and decrimping using a hand-crimper. If steel caps are used, it is recommended to use a bench-top crimper.



Type	for Seal size (mm)	unit	Part no.
Aluminum Septum: Silicone white/PTFE red,	8	100	093640-053-00 ①
Magnetic, golden Septum: Silicone red/PTFE red,	11	100	093640-007-00 ②
Aluminum Septum: natural rubber red-orange/ PTFE Transparent, 60° shore A,	11	100	093640-089-00 ③
Aluminum Septum: Silicone blue/PTFE white, 45° shore A,	11	100	093640-090-00 ④
Magnetic, golden, Septum: Silicone blue, PTFE white	20 20	100 1000	093640-008-00 ⑤ 093640-015-00 ⑤
Magnetic, golden, Pharma-Fix-Septum: Butyl /PTFE white,	20	100	093640-070-00 ⑥
Bi-Metal, Magnetic, red, Septum: Silicone blue, PTFE white,	20	100	093640-063-00 ⑦
Aluminum, Septum: Silicone blue/PTFE white, 35° Shore A,	20	100	093640-067-00 ⑧
Aluminum, Septum: Silicone white, PTFE beige, 35° Shore A,	20	100	011912-002-00 ⑨
PE Cap, transparent Septum: Silicone blue/PTFE white 45° Shore A,	20	10	093640-097-00 ⑩

Vials for SPME

Type	mL	Seal size (mm)	unit	Part no.
Clear, with imprint »SPME« with extra thick crimp neck	20	20	100	093640-035-00

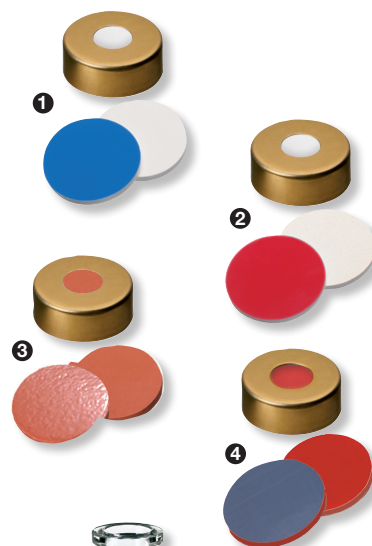


Crimp caps for SPME

Magnetic, golden, with septum

For SPME applications, crimp caps of steel with silicone septa are recommended. If the sample is analyzed for silicone, it is recommended to use butyl rubber septa or natural rubber septa. For a leak-free seal, it is recommended to use a bench-top crimper.

Type	for Seal size (mm)	unit	Part no.
Septum: Silicone white/PTFE blue, 1.5 mm, 60° Shore A, for SPME vial	20	100	093640-030-00 ①
Septum: Silicone creme, PTFE red, 1.5 mm, 55° Shore A, for SPME vial	20	100	093640-031-00 ②
Septum: Natural rubber, red-orange/PTFE, 1.3 mm, 60° Shore A, for SPME vial	20	100	093640-034-00 ③
Septum: Butyl red / PTFE grey, 1.3 mm, 55° Shore A, for SPME vial	20	100	093640-050-00 ④



Vials, inserts, and caps for HSSE Twister inserts

Type	mL	Seal size (mm)	unit	Part no.
Clear, with imprint »Twister«, with extra thick crimp neck	20	20	100	012491-000-00
Insert for Twister Vial 012491-000-00			100	012492-000-00
Aluminium Headspace Crimp cap, Septum: Silicone white/PTFE beige, 3.25mm, 35° shore A		20	100	011912-002-00





Screw cap vials

Vials	mL	Thread Ø	unit	Part no.
Clear, Ø11.6 x 32 mm, for 20 mm Twisters	1.1	9	100	093640-045-00 ①
Clear, Ø11.6 x 32 mm, for 10 mm Twisters	1.5	9	100	093640-046-00 ②
Brown, green screw caps, Septum: PTFE/Silicone/PTFE	1.5	9	100	089355-084-00 ③
Clear, blue screw caps, Septum: rubber red/PTFE	1.5	9	100	089355-085-00 ④
Brown, Ø11.6 x 32 mm, short screw neck	1.5	9	100	093640-095-00 ⑤
Clear, Ø15 x 45 mm HIGH RECOVERY VIAL	3.5	11	100	093640-098-00 ⑥
Clear, Ø14.7 x 45 mm	4	11	100	093640-076-00 ⑦
Clear,	10	18	100	093640-038-00 ⑧
Brown	10	18	100	093640-039-00 ⑨
Clear,	20	18	100	093640-036-00 ⑩
Brown,	20	18	100	093640-037-00 ⑪
Clear, Ø27.5 x 95 mm	40	18	100	094210-000-00 ⑫
Microliter inserts for 2 mL screw cap vials, clear	0.1		100	093640-029-00 ⑬
For 10 mm Twisters: Insert Ø 6 x 31 mm, clear, flat bottom	0.2		100	093640-047-00 ⑭

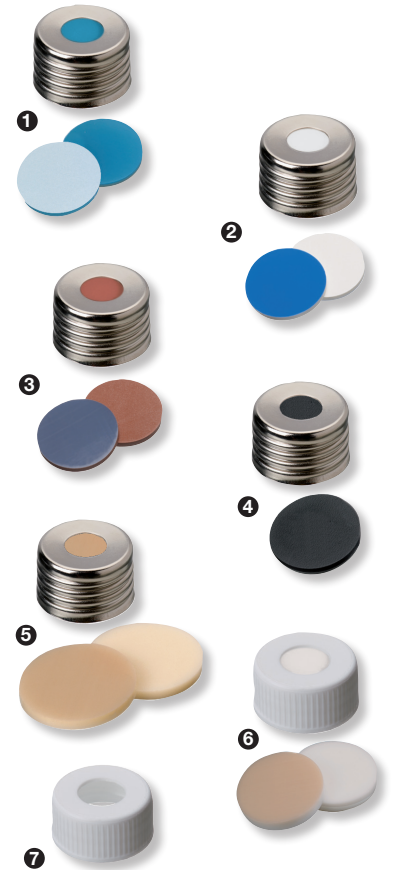
Screw caps with septa

	Thread Ø	unit	Part no.
PP transparent, Septum: Silicone blue / PTFE white, 1.3 mm, 45° Shore A	9	100	093640-072-00 ①
PP blue, Septum: Silicone white/PTFE red, 1.0 mm, 55° shore A	9	100	093640-075-00 ②
UltraClean™, magnetic, golden Septum: Silicone white/PTFE red 1.0 mm	9	100	093640-079-00 ③
PP black, Septum: Silicon blue/PTFE white, 1.3 mm 45° shore A	11	100	093640-081-00 ④
PP black, Septum: Natural rubber red-orange/ TEF transparent, 1.3 mm	11	100	093640-077-00 ⑤

Screw caps with septa

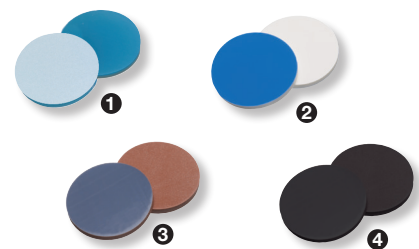
Magnetic metal based vial caps enable transport and automation using the GERSTEL MultiPurpose Sampler

	Thread Ø	unit	Part no.
Septum: Silicone blue / PTFE white, 1.3 mm, 45° Shore A	18	100	093640-040-00 ①
Septum: Silicon white / PTFE blue, 1.5 mm, 60° Shore A	18	100	093640-041-00 ②
Septum: Butyl red / PTFE grey, 1.6 mm, 55° Shore A	18	100	093640-042-00 ③
Septum: Viton black, 1.0 mm, 75° Shore A	18	100	093640-043-00 ④
Septum: Natural rubber / TEF; 1.3 mm, 60° Shore A	18	100	093640-100-00 ⑤
Polypropylene white, non-magnetic Septum: Silicone natural / PTFE beige, 3.2 mm; 45° Shore A,	24	100	094210-003-00 ⑥
Polypropylene white, non-magnetic with hole 12.5 mm without Septum	24	100	094210-001-00 ⑦



Septa for screw caps for 10/20 mL screw cap vials

Septum	unit	Part no
Silicone blue transparent / PTFE white, 1.3 mm, 35° Shore A	100	093640-057-00 ①
Silicone white / PTFE blue, 1.5 mm, 60° Shore A	100	093640-056-00 ②
Butyl red / PTFE grey, 1.6 mm, 55° Shore A	100	093640-058-00 ③
Viton black, 1.0 mm, 75° Shore A	100	093640-059-00 ④



Filter inserts 17 µm for 10/20 mL screw cap vials

without vials and screw caps

For:

10 mL screw cap vials 093640-038-00 and

20 mL screw cap vials 093640-036-00

with screw cap 093640-040-00

50 units	020006-050-00
1000 units	020006-100-00
5000 units	020006-500-00



Part No.

SPME fiber kits

1 package (3 units)

Fibers used for automated SPME analysis have no spring – in contrast to fibers for manual SPME. Consequently, there are separate holders for each fiber type. The fibers listed here are designed exclusively for automated SPME analysis using the MPS. They are not suitable for manual SPME analysis.

For use with the GERSTEL® Cooled Injection System, CIS
23 gauge (OD=0.63 mm) fibers and SPME liner are recommended.



gases and low molecular compounds

- 75 µm carboxen/polydimethylsiloxane 23 gauge (OD = 0.63 mm) **093639-009-00**

gases and low molecular compounds

- 85 µm carboxen/polydimethylsiloxane, on StableFlex™ fiber 23 gauge (OD = 0.63 mm) **093639-024-00**

volatiles and semivolatiles

- 85 µm polyacrylate
- 100 µm polydimethylsiloxane
- 7 µm polydimethylsiloxane coating 23 gauge (OD = 0.63 mm) **093639-028-00**

volatile or polar organics in water

- 75 µm carboxen/polydimethylsiloxane
- 65 µm polydimethylsiloxane/divinylbenzene
- 85 µm polyacrylate 23 gauge (OD = 0.63 mm) **093639-029-00**

flavors and odors

- 100 µm polydimethylsiloxane,
- 65 µm polydimethylsiloxane/divinylbenzene,
- 75 µm carboxen/polydimethylsiloxane 23 gauge (OD = 0.63 mm) **093639-030-00**

flavors

- 50/30 µm divinylbenzene/carboxen/polydimethylsiloxane on StableFlex fiber 23 gauge (OD = 0.63 mm) **093639-026-00**
- 50/30 µm DVB/carboxen/polydimethylsiloxane on 2 cm StableFlex fiber 23 gauge (OD = 0.63 mm) **093639-027-00**
- 100 µm polydimethylsiloxane
- 85 µm carboxen/polydimethylsiloxane
- 50/30 µm DVB/carboxen/polydimethylsiloxane 23 gauge (OD = 0.63 mm) **093639-037-00**

Part No.

SPME fiber kits

for automated SPME using the MPS;
1 package (3 units)

volatiles

- 100 µm polydimethylsiloxane
23 gauge (OD = 0.63 mm) **093639-001-00**

non-polar semivolatiles

- 30 µm polydimethylsiloxane
23 gauge (OD = 0.63 mm) **093639-020-00**

non-polar high molecular weight compounds

- 7 µm polydimethylsiloxane
23 gauge (OD = 0.63 mm) **093639-021-00**

volatiles, amines, and nitroaromatic compounds

- 65 µm polydimethylsiloxane/divinylbenzene, partially crosslinked
23 gauge (OD = 0.63 mm) **093639-005-00**

volatiles, amines, and nitroaromatic compounds

- 65 µm polydimethylsiloxane/divinylbenzene, highly crosslinked on StableFlex fiber
23 gauge (OD = 0.63 mm) **093639-022-00**

polar semivolatiles

- 85 µm polyacrylate, partially crosslinked
23 gauge (OD = 0.63 mm) **093639-023-00**
- 60 µm Carbowax-Polyethylene Glycol on metal fiber
23 gauge (OD = 0.63 mm) **093639-043-00**

SPME Stableflex fiber kits

23 gauge (OD = 0.63 mm), 4 fibers

- 50/30 µm Divinylbenzene/Carboxen
 - 65 µm Polydimethylsiloxane/Divinylbenzene
 - 85 µm Carboxen/Polydimethylsiloxane
 - 85 µm Polyacrylat
- 23 gauge (OD = 0.63 mm) **093639-031-00**

SPME metal fiber kits

23 gauge (OD = 0.63 mm), 1 fiber

volatiles

- 100 µm polydimethylsiloxane, non-bonded
23 gauge (OD = 0.63 mm) **093639-033-00**

non-polar semivolatiles

- 30 µm polydimethylsiloxane, non bonded
23 gauge (OD = 0.63 mm) **093639-034-00**

non-polar high molecular weight compounds

- 7 µm polydimethylsiloxane, bonded
23 gauge (OD = 0.63 mm) **093639-035-00**

volatiles, amines, and nitroaromatic compounds

- 65 µm polydimethylsiloxane/divinylbenzene
23 gauge (OD = 0.63 mm) **093639-038-00**

flavors

- 50/30 µm divinylbenzene/carboxen Polydimethylsiloxane
23 gauge (OD = 0.63 mm) **093639-040-00**
- fiber length 2 cm
23 gauge (OD = 0.63 mm) **093639-041-00**



Part No.

Sample loop

SS Sample loop 1/16" for Cheminert injection valve

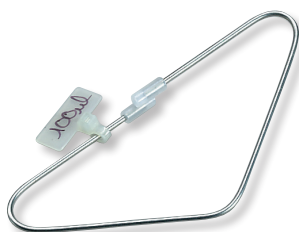


2 µL	093731-154-00
5 µL	093731-224-00
10 µL	093731-153-00
20 µL	093731-034-00
25 µL	093731-243-00
50 µL	093731-033-00
100 µL	093731-032-00
250 µL	093731-031-00
500 µL	093731-030-00
1000 µL	093731-107-00
2000 µL	093731-108-00
5000 µL	093731-109-00

Sulfinert Sample loop 1/16" for Cheminert injection valve

100 µL	093731-123-00
500 µL	093731-124-00
1000 µL	093731-125-00

PEEK Sample loop 1/16" for Cheminert PAEK injection valve



2 µL	093731-158-00
3 µL	093731-265-00
5 µL	093731-157-00
10 µL	093731-156-00
20 µL	093731-155-00
50 µL	093731-184-00

Part No.

SS Sample loop 1/16" for Valco W-Type injection valve

2 µL	093731-049-00
5 µL	093731-050-00
10 µL	093731-051-00
15 µL	093731-052-00
20 µL	093731-011-00
25 µL	093731-053-00
30 µL	093731-054-00
50 µL	093731-010-00
100 µL	093731-009-00
200 µL	093731-070-00
250 µL	093731-055-00
500 µL	093731-008-00
1000 µL	093731-007-00



SS Sample loop 1/16" for Rheodyne injection valve

5 µL	093731-129-00
10 µL	093731-130-00
20 µL	093731-131-00
50 µL	093731-132-00
100 µL	093731-133-00
500 µL	093731-248-00
1000 µL	093731-249-00

PEEK Sample loop 1/16" for Rheodyne injection valve

5 µL	093731-134-00
10 µL	093731-135-00
20 µL	093731-136-00
50 µL	093731-137-00
100 µL	093731-138-00

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