



Products for Automated Sample Preparation

January 2026

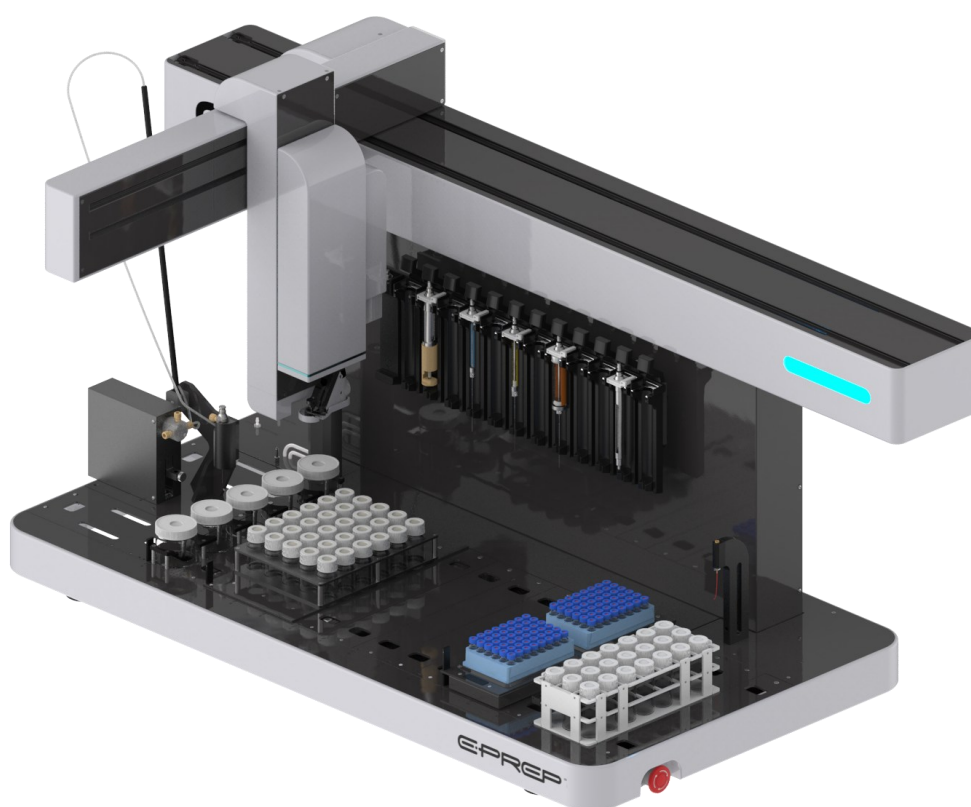


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ePrep® ONE Sample Preparation Workstation

- ✓ Analytical Syringe Operation
- ✓ Affordable Laboratory Automation
- ✓ Easy to Use
- ✓ Highly Flexible and Adaptable
- ✓ Automates all of the common elements of sample preparation.
- ✓ Exceptional Accuracy and Precision even at low volumes

The ePrep ONE Sample Preparation Workstation utilises a suite of innovative technologies to bring automation of sample preparation to every analytical chemistry laboratory. Its independent operation allows flexibility and effectiveness in a laboratory setting. Samples can be prepared in Autosampler Racks, away from analytical instrumentation. Once the preparation is complete, the rack can simply be transferred to the instrument, vastly reducing the complexity of the sample preparation process.

The ePrep ONE Workstation

The workstation utilizes a modular deck design that accommodates standard laboratory sample and autosampler racks through pre-configured adapter plates, allowing flexible positioning and easy reconfiguration.

To ensure optimal precision and accuracy, workflows can incorporate up to 12 different syringes and tools via ePrep's automated robotic tool change system.

ePrep's patented rotating foot mechanism delivers distinctive operational capabilities, including automated tool changes with standard syringes, micro solid-phase extraction (SPE), syringe disk filter automation, RFID-based tracking of deck and tool inventory, and controlled septum piercing.

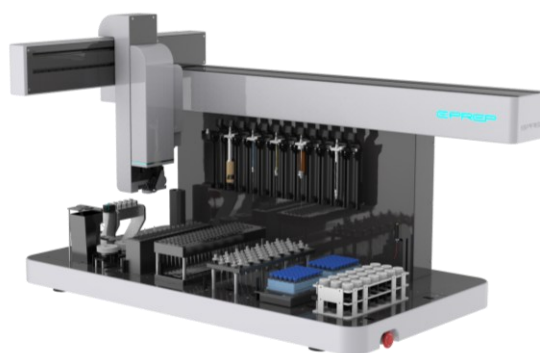
The integrated deck-mounted wash station streamlines workflows by automatically priming and cleaning syringes. This enables customized carryover reduction protocols tailored to specific sample requirements and laboratory standards while ensuring safe waste disposal.

The ePrep ONE graphical interface simplifies workflow programming through an intuitive design system capabilities can be readily expanded through a range of compatible accessories and consumables.

ePrep ONE Software Control

The ePrep ONE software streamlines workflow development through intuitive programming tools. Users can build complete workflows in minutes using a drag-and-drop editor with predefined tasks, vial coordinates, and parameters. Workflows can be saved, reused, or shared across the laboratory.

To minimize complexity, default parameters for syringes, tools, and racks come preprogrammed. Built-in validation features—including task verification, volume checking, error feedback, and automated RFID scanning—allow users to focus on results rather than troubleshooting.



ePrep ONE Graphical Interface makes Workflow programming simple

ePrep ONE Sample Preparation Workstation

SPECIFICATIONS

Model	GL950X, P/N 01-01000, ePrep Sample Preparation Workstation		
LIQUID HANDLING AND SAMPLE PREPARATION			
Typical syringe precision and accuracy.* * Configuration Teflon Tipped Plunger and 80mm and 103mm Needles	10mL:	accuracy ±1.0%,	RSD 1.0%
	1mL:	accuracy ±1.0%,	RSD 1.0%
	100µL:	accuracy ±1.5%,	RSD 1.0%
	10µL:	accuracy ±3.0%,	RSD 2.0%
Carryover	For multi-use liquid handling tools an integrated wash station is used to control carryover. Carryover achieved depends on the syringe type, sample characteristics and user-settable parameters in the software.		
Syringes Volume range	Minimum volume: 1 µL (precision of lower volumes based on operating conditions) Maximum volume: >10 mL per dispenses with unlimited volume achievable using multiple aspirate/dispense cycles		
OPERATIONAL INFORMATION			
Deck Capacity	Total 16 (16P) x 1P deck positions available. Space is used to accommodate Adapter Plates existing in variable sizes from 1P-6P configurations.		
Laboratory	Sealed vials, a cover is not required. Suggest a well-ventilated and climate-controlled environment. If using toxic materials, take appropriate safety precautions.		
Control Computer and Software	A Laptop Computer (Supplied) including ePrep ONE workflow development and control software (English Only) and lifetime updates		
Connectivity Tablet to Instrument	USB		
Wash Station	Deck mounted syringe Wash Station. Three individual pumps control the wash liquid supply, the wash waste removal and removal of on deck accessory waste. External solvent and waste reservoirs are not supplied.		
Asset Identification	RFID identification on syringes, tools, and racks.		
SYSTEM INFORMATION			
Instrument Dimensions (L x W x H)	1370 mm x 694 mm x 743 mm		
Weight	65 kg		
Voltage	24 V, 221 W, 9.2 A DC Power Pack; 100-240 Volt AC input. Requires country specific IEC C13 power cable (supplied separately).		
ePrep Connection ports	3 x Serial Comms, 4 x Digital Output, 4 x Digital Input, 4 x Relay		
Operating temperature	10-35°C, 0-80% relative humidity		
Operating sound level	Typical 80 dB		
Compliance	CE, FCC, IC, RCM, RoHS, Safety EN 61010, EMC 61326		
Warranty	12 months		
TYPICAL APPLICATION CONFIGURATIONS			
Details available from ePrep for instrument, accessories and consumables configuration for challenging applications including a) Liquid-Liquid Extractions, b) Soil-Liquid Extractions, c) Syringe Filtering, d) SPE and microSPE and e) Vialling			

Image	Part No	Description
	01-01000	ePrep ONE Sample Preparation Workstation (no Power Plug) Supplied with: Wash Station, Power Supply, Control Computer, Cabling and Starter Kit including Adapter Plates, Vial Racks, Vials, ePrep Syringes and Spares. <i>See country specific power plugs and computer adapters.</i>

Deck Adapter Plates for common Autosampler Vial Racks

Deck adapter plates are available for most common autosampler racks. For racks not listed in the standard catalogue, contact ePrep with your rack specifications for custom solutions.

Note: Part numbers refer to adapter plates only. Racks must be ordered separately through your OEM distributor.

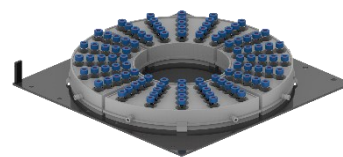
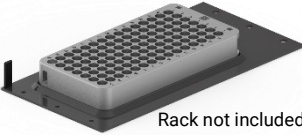
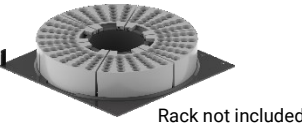
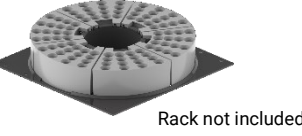
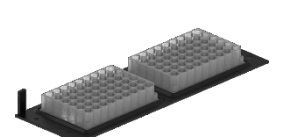
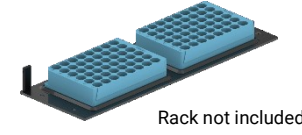
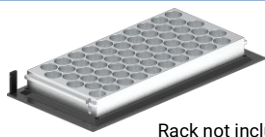
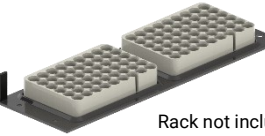
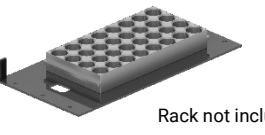
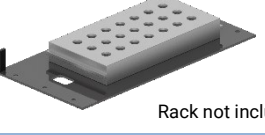
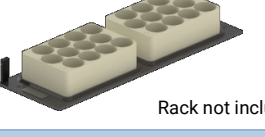
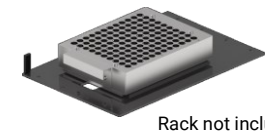
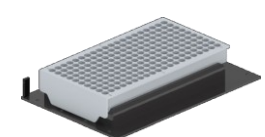


Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
for Agilent Instruments				
 Rack not included	01-03001	Holds 4 x Agilent GC7673, 7683 Racks Rack Capacity: 25vials/ quadrant Vial Volume: 1.5 mL	Agilent Rack Set No. 18596-40015	6P
 Rack not included	01-03003	Holds 1 x Agilent LC1100, 1120, 1220 Rack Rack Capacity: 100 vials Vial Volume: 1.5 mL	Agilent Rack No. G1313-44510	4P
 Rack not included	01-03004	Holds 1 x Agilent LC1100, 1120, 1220 Rack Rack Capacity: 15 vials Vial Volume: 6 mL	Agilent Rack No. G1313-44513	2P
 Rack not included	01-03005	Holds 1 x Agilent LC1100, 1120, 1220 Rack Rack Capacity: 40 vials Vial Volume: 1.5 mL	Agilent Rack No. G1313-44512	2P
 Rack not included	01-03006	Holds 2 x Agilent 1220 G1367A/B/C/D/E, G2258A, G4226A RACK Rack Capacity: 54 vials Vial Volume: 1.5 mL	Agilent Rack No. 5022-6502	2P
 Rack not included	01-03007	Holds 1 x Agilent Rack 5 x 10 Rack Capacity: 50 vials Vial Volume: 1.5 mL	Agilent Rack No. G4514-67505	2P
 Rack not included	01-03008	Holds 1 x Agilent Rack 5 x 10 Rack Capacity: 50 vials Vial Volume: 1.5 mL	Agilent Rack No. G7129-68210	3P
 Rack not included	01-03009	Holds 1 x Agilent Rack 6 x 11 Rack Capacity: 66 vials Vial Volume: 1.5 mL	Agilent Rack No. G7129-60010	3P
 Rack not included	01-03030	Holds 1 x Agilent/ Scion Rack Rack Capacity: 100 vials Vial Volume: 1.5 mL	Agilent Rack No. CP-8400 Scion Rack No. 8400	4P
 Rack not included	01-03210	Holds 2 x Agilent Rack 5x8 Rack Capacity: 40 vials Vial Volume: 1.5 mL	Agilent Rack No. 5023-2471	2P

ePrep ONE Adapter Plates

Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
for EST				
 Rack not included	01-03010	Holds 1 x EST Rack 7 x 15 Rack Capacity: 105 vials Vial Volume: 1.5 mL	EST Tray No. A05-70A-0001	3P
 Rack not included	01-03011	Holds 1 x EST Rack 4 x 8 Rack Capacity: 32 vials Vial Volume: 20 mL	EST Tray No. A05-70A-0002	3P
 Rack not included	01-03012	Holds 1 x EST Rack 25 Rack Capacity: 25 vials Vial Volume: 40 mL	EST Tray No. A05-70A-0003	3P
for Shimadzu Instruments				
 Rack not included	01-03015	Holds 6 x Shimadzu GC AOC20s Racks Rack Capacity: 25 vials/ rack Vial Volume: 1.5 mL	Shimadzu Rack Set No. 221-44709-91	6P
 Rack not included	01-03016	Holds 6 x Shimadzu GC AOC20s Racks Rack Capacity: 16 vials/ rack Vial Volume: 4 mL	Shimadzu Rack Set No. 221-44878-91	6P
 Rack not included	01-03018	Holds 1 x Shimadzu SIL-20A/20AC/20ACHT/20ACXR Rack Rack capacity: 105 vials Vial volume: 1.5 mL	Shimadzu Rack No. 228-45409-92	2P
 Rack not included	01-03019	Holds 1 x Shimadzu SIL-20A/20AC/20ACHT/20ACXR/30AC Rack Rack Capacity: 50 vials Vial Volume: 4 mL	Shimadzu Rack No 228-37616-92	2P
 Rack not included	01-03020	Holds 2 x Shimadzu Rack Changer, SIL-30ACMP, LC-2030/2040 Racks Rack Capacity: 54 vials Vial Volume: 1.5 mL	Shimadzu Rack No. 228-50830-91 228-50830-92 228-71762-46 Sciex Rack No. 5079897	2P
for Waters Instruments				
 Rack not included	01-03035	Holds 2 x Waters 48 Well Racks Rack Capacity: 48 vials Vial Volume: 1.5 mL	Waters Rack No. 700011047	2P

ePrep ONE Adapter Plates

Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
for CTC Instruments				
 Rack not included	01-03032	Holds 1 x CTC PAL Rack 6 x 10 Rack Capacity: 60 vials Vial Volume: 20 mL HS (22.5mm OD)	CTC Tray No. CTC S (3P) CTC R60-RACK	2P
 Rack not included	01-03036	Holds 2 x CTC PAL Rack 3 x 5 Rack Capacity: 15 vials Vial Volume: 20 mL HS (22.5mm OD)	CTC Tray No. PAL3-Rack-VT15	2P
 Rack not included	01-03037	Holds 2 x CTC PAL Rack 6 x 9 Rack Capacity: 54 vials Vial Volume: 2 mL	CTC Tray No. PAL3-Rack-VT54	2P
 Rack not included	01-03038	Holds 1 x CTC PAL Rack 4 x 8 Rack Capacity: 32 vials Compatibility: max 23 mm OD Vial Volume: 10 mL / 20 mL	CTC Tray No. PAL Tray20mL	3P
 Rack not included	01-03039	Holds 1 x CTC PAL Rack 3 x 7 Rack Capacity: 21 vials Vial Volume: 2 mL	CTC Tray No. PAL Tray20mL	3P
 Rack not included	01-03211	Holds 2 x CTC PAL 3 x 4 Rack Capacity: 12 vials Vial Volume: 20-40 mL	CTC Tray No. PAL3-RACK-VT12	2P
for Hitachi Instruments				
 Rack not included	01-03022	Holds 1 x Hitachi CM5260/627 120 x 1.5ML - Cooled Rack Capacity: 120 vials Vial Volume: 1.5 mL	Hitachi No. 892-0240 or HITA892-0240)	4P
 Rack not included	01-03023	Holds 1 x Hitachi CM5280/PM1210 200 x 1.5ML Rack Capacity: 200 vials Vial Volume: 1.5 mL	Hitachi No. 8DD-3584 or HITA8DD-3584	4P

Key 1P = 1 deck position

ePrep ONE Adapter Plates

Deck Adapter Plates for common Sample Vial Racks

Deck adapter plates are available for common sample racks.

Note: Part numbers refer to adapter plates only. Racks must be ordered separately through your OEM distributor.

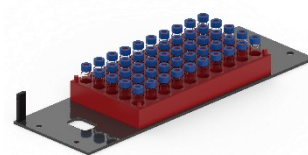
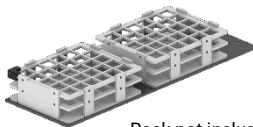
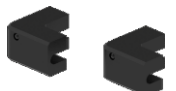
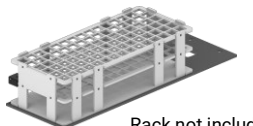
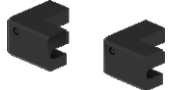
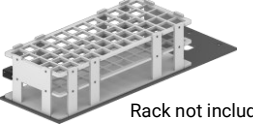
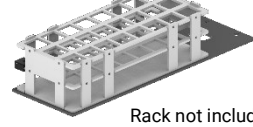
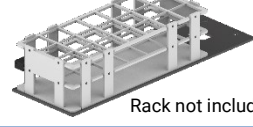
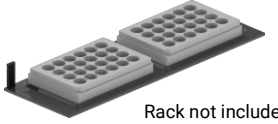
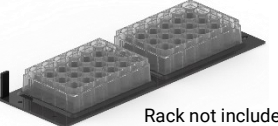
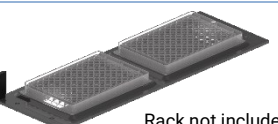
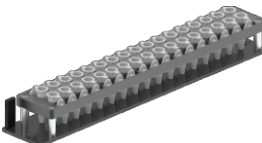
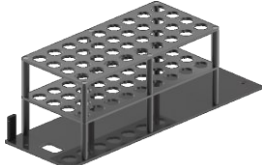
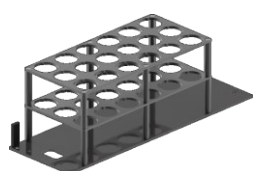
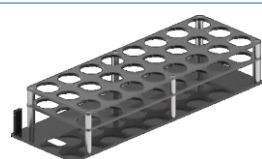
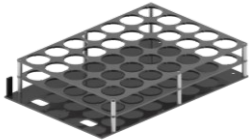
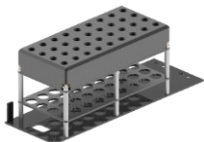


Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
for Bel-Art				
 Rack not included	01-03041	Holds 2 x Bel-Art Racks 5 x 6 Rack Capacity: 30 vials Vial Volume: 4 mL	Bel-Art Rack No. 18514-0016	2P
	01-03053	Programmable RFID Tag and clip for Bel-Art 5 x 6 Racks (Pkt 2)		N/A
 Rack not included	01-03047	Holds 1 x Bel-Art Rack 6 x 15 Rack Capacity: 90 vials Compatibility: max 13 mm OD vial Vial Height: 75 mm	Bel-Art Rack No. 18745000	2P
	01-03049	Programmable RFID Tag and clip for Bel-Art 6 x 15 Racks (Pkt 2)		N/A
 Rack not included	01-03048	Holds 1 x Bel-Art Rack 5 x 12 Rack Capacity: 60 vials Compatibility: max 16 mm OD vial Vial Height: 75 mm	Bel-Art Rack No. 18747001	2P
	01-03055	Programmable RFID Tag and clip for Bel-Art 5 x 12 Racks (Pkt 2)		N/A
 Rack not included	01-03050	Holds 1 x Bel-Art Rack 3 x 8 Rack Capacity: 24 vials Compatibility: max 25 mm OD vial Vial Height: 75 mm	Bel-Art Rack No. 187450003	2P
	01-03052	Programmable RFID Tag and clip for Bel-Art 3 x 8 Racks (Pkt 2)		N/A
 Rack not included	01-03051	Holds 1 x Bel-Art Rack 3 x 7 Rack Capacity: 21 vials Compatibility: max 30 mm OD vial Vial Height: 72-95 mm	Bel-Art Rack No. 187450004 187460004 187470004	2P
	01-03054	Programmable RFID Tag and clip for Bel-Art 3 x 7 Racks (Pkt 2)		N/A
for Supelco				
 Rack not included	01-03057	Holds 1 x Supelco Space Saver Rack 3 x 12 Rack Capacity: 36 vials Compatibility: 21 - 23 mm OD vial Vial Volume: 6 mL, 7mL, 10mL, 20mL	Supelco Rack No. 23201	2P

ePrep ONE Adapter Plates

Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
for Microtiter Plate Format				
 Rack not included	01-03081	Holds 2 x Microtiter Plate Format Rack 2 x 4 Rack Capacity: 8 vials Vial Volume: 20, 30, 40 mL @28mm OD	Supplier Part No. ePrep 01-03092	2P
 Rack not included	01-03082	Holds 2 x Microtiter Plate Format Rack 4 x 6 Rack Capacity: 24 vials Vial Volume: 4 mL	Supplier Part No. ePrep 01-03090	2P
 Rack not included	01-03083	Holds 2 x Microtiter Plate Format Rack 4 x 6 Rack Capacity: 24 vials Vial Volume: 8 mL	Supplier Part No. ePrep 01-03091	2P
 Rack not included	01-03084	Holds 2 x Microtiter Plate Format Rack 3 x 4 Rack Capacity: 12 vials Vial Volume: 6 mL Note: Rack must be used with 6 mL vial.	Supplier Part No. Greiner 665102 / 556180	2P
 Rack not included	01-03080	Holds 2 x 96 Well 300 µL Microtiter Plate Format Rack Note: Rack must be used as Open Plate.		2P
for Centrifuge Tubes				
	01-03089	Adapter Plate and Rack for Eppendorf Safe-Lock Tubes, 2.0mL and 1.5 mL	Eppendorf Tube PN 0030120086 (1.5mL) & 0030120094 (2mL)	1P
	01-03094	Rack for 15 mL Centrifuge tubes (4 x 9) Note: Needle length selection and maximum needle depth should be considered when using 15mL Falcon Tubes.		2P
	01-03095	Rack for 5 mL Half Centrifuge tubes (4 x 12)	Eppendorf Tube PN 0030122313	2P
	01-03096	Rack for 50 mL Centrifuge tubes (3 x 6) Note: Needle length selection and maximum needle depth should be considered when using 15mL Falcon Tubes.		2P
	01-03097	Rack for 25 mL Half Centrifuge tubes (3 x 8)	Eppendorf Tube PN 0030122410	2P

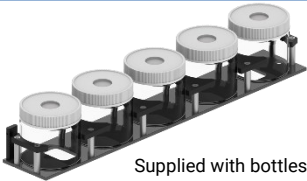
ePrep ONE Adapter Plates

Image	ePrep Part No	for Rack Description	for Rack OEM Part No	Plate Size
Application Racks				
	01-03148	Designed for Automated LLE Adapter plate/rack for 46 ml high recovery vials Rack Capacity: 15 tubes (3 x 5) Tube Volume: 46 ml		2P
	01-03150	Designed for Automated LLE Adapter plate/rack for 46 ml high recovery vials Rack Capacity: 35 tubes (5 x 7) Tube Volume: 46 ml		4P
	01-03002	Adapter plate/rack for 20/30/40ml vials Rack Capacity: 56 tubes (7 x 8) Tube Volume: 20, 30, 40 ml with 28mm od		4P
	01-03013	Adapter plate/rack for 10 ml centrifuge dip tubes Rack Capacity: 36 tubes (4 x 9) Tube Volume: plastic 10 ml		2P

Key 1P = 1 position of 16 available on the ePrep deck

50mL Reagent Jar Adapter Plate & Jars

Adapter Plate for 5 x 50 mL Reagent Jars. Jars come with a septum cap for sealed vial operation.

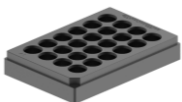
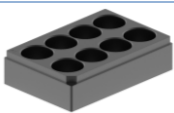
Image	Part No	Description	Plate Size
 Supplied with bottles	01-03085	Reagent Jar Adapter Plate supplied with 5 x 50 mL Reagent Jars Holds 5 x Reagent Jar (Not for PFAS use) Rack Capacity: 5 bottles Bottle Volume: 50 mL	1P
	01-03086	<u>Replacement</u> 50 mL Reagent Jar Bottles/Septum Caps (Pkt 5) OEM information: J.G. Finneran, P/N 9-140, Clear Jar, 53-400mm Thread, White Polypropylene Closure, PTFE Lined	N/A
	01-03087	<u>Replacement</u> Caps/Septum for 50mL Reagent Jars (25 caps) OEM information: J.G. Finneran, P/N 34-534, 3mm White Polypropylene Open Top PTFE/Silicone Lined closure	N/A

Key 1P = 1 position of 16 available on the ePrep deck

ePrep ONE Adapter Plates

Specialty Vial Racks

Limited range of difficult to source specialty RACKS for 4mL, 8mL, 20-40mL EPA Vials as well as 6-20mL Head Space Vials.

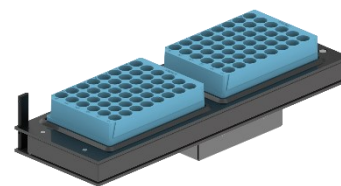
Image	Part No	Description
	01-03088	Supelco Rack No. 23201, 1 x Rack 36 x 6 mL, 7mL, 10mL, 20mL vials @ 21 - 23 mm OD Use with Adapter Plate 01-03057
	01-03090	Rack ONLY - Microtiter Plate Format 24 x 4 mL vials (4 x 6) Use with Adapter Plate 01-03082
	01-03091	Rack ONLY - Microtiter Plate Format 24 x 8mL vials (4 x 6) Use with Adapter Plate 01-03083
	01-03092	Rack ONLY - Microtiter Plate Format 8 x 20, 30, 40 mL vials @ 28mm OD (2 x 4) Use with Adapter Plate 01-03081

Specialty Vials

Image	Part No	Description
Plastic vials for PFAS Analysis		
	01-03140	PFAS Free 20mL HDPE VIAL, 22-400 SCREW THREAD (PKT 100) OEM: ALWSCI, PART NO. C0003095
	01-18002	PFAS Free 22-400 SCREW CAP, OPEN TOP, WITH POLYIMIDE/WHITE SILICONE SEPTA 2mm THICK (PKT 100) OEM: ALWSCI, PART NO. C0003180
High Recovery Vials for SVOC 3511		
	01-18000	46mL HIGH RECOVERY VIAL, 24-414 SCREW THREAD (Pkt 100) For Automated Liquid-Liquid Extraction (ALLEX)
	01-18001	24-414 WHITE OPEN TOP PP SCREW CAP WITH 22MM NATURAL PTFE/WHITE SILICONE SEPTA 3MM THICK (Pkt 100) OEM: ALWSCI, PART NO. C0000214

Vial Vortex Shaker-Mixers

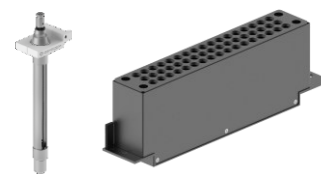
Vial Vortex-Shaker Mixers are designed for liquid homogenization and solid/liquid extractions. The ePrep ONE deck can accommodate up to three units, each independently controlled through the workflow software. Two versions are available to suit different applications: the 0.75mm Radial Offset model for small vials, and the 2.5mm Radial Offset model for large vials and solid/liquid extractions.



Part No	Description	Plate size
01-04100	Vortex Shaker-Mixer with 0.75mm Radial Offset including power supply (No Power Plug) <i>Note: See country specific power plugs.</i>	2P
01-04105	Vortex Shaker-Mixer with 2.5mm Radial Offset including power supply (No Power Plug) <i>Note: See country specific power plugs.</i>	4P

μSPEed® Cartridge Rack

The μSPEed Cartridge Rack is compatible with ePrep μSPEed and SPEmx cartridges, with capacity for up to 50 cartridges and a reserved needle position at location zero. The enclosed rack design allows connection to an outlet pump, enabling direct dispensing during conditioning, equilibration, and loading steps. This rack integrates seamlessly with the ePrep ONE Workflow for complete automation.



Part No	Description	Plate Size
01-04161	μSPEed Cartridge Kit for 50 cartridges <i>Note: μSPEed and SPEmx Cartridges Sold Separately.</i>	1P

Luer Enabling Kit

The Luer Enabling Kit allows the system to operate with Luer-type consumables, including filters and SPE cartridges. The kit provides essential components for automated consumable handling: detection of consumable length, reliable pickup, aspiration/dispense operations via a designated syringe (ordered separately), and disposal into the waste station. *Note: This kit requires a filter rack or SPE rack, plus a compatible Guided Luer syringe selected based on your application.*

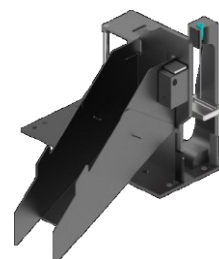


Image	Part No	Description
	01-04160	Luer Enabling Kit Includes: Aspiration Needle Station, Disposal Station with Needle Length sensor, Luer Dispense Needles 32mm (Pkt 100) and Luer Aspiration Needles 61.5 mm (Pkt 5) <i>Note: Required for Filter Rack (P/N 01-04163) and spSPE Rack (P/N 01-04184)</i>
Consumables		
	01-10995	Luer Aspiration Needles @ 61.5 mm (Pkt 5) <i>Note: Required for filling a Luer Syringe</i>
	01-10996	Luer Dispense Needles @ 32mm (Pkt 100) <i>Note: Required for operation of Syringe Filters and spSPE Luer Cartridges</i>

Syringe Filter Rack

Syringe filter rack enables the operation of luer syringe filters on the ePrep. The rack holds 40 x 12mm to 36mm diameter commercial syringe filters. This rack requires the Luer Enabling Kit to be installed in the accessories area.



Image	Part No	Description	Plate Size
	01-04163	Filter Rack Only Requires "Luer Enabling Kit" 01-04160 for operation. <i>Note: Filters not included</i>	2P

Syringe-Push SPE Cartridge Rack

The ePrep ONE system utilizes Syringe-Push SPE (spSPE) cartridges with female Luer inlet and male Luer outlet connections, enabling automated robotic handling and deck repositioning via Luer syringe. A short Luer needle attachment on the outlet allows dispensing into sealed vials. The system fully automates all SPE processes—conditioning, equilibration, loading, washing, syringe drying, and elution—in a single integrated workflow. Operation requires the Luer Enabling Kit installed in the accessories area. Syringe-Push cartridges (example shown left) are available from multiple OEM suppliers, with ePrep recommending S*Pure (contact information available upon request).

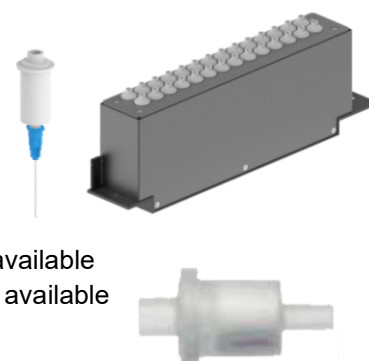
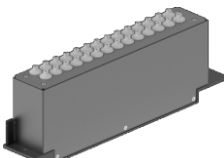
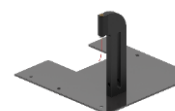


Image	Part No	Description	Plate Size
	01-04184	spSPE Rack Only Requires "Luer Enabling Kit" 01-04160 for operation <i>Note: Suitable for most closed male/female Luer SPE Cartridges</i>	1P

ePrep Syringe-to-Detector Interface

eDirect™ is a fantastic addition to the ePrep. It allows the interfacing of a standard ePrep syringe or SPEed cartridge directly to a chromatography detector.



Part No	Description
01-12005	ePrep Syringe-to-Detector interface. Includes ePrep mounting plate and 500mm x 100µm Transfer Tubing.

Needle Position Height Gauge

Workflows can be configured to position the needle tip at a certain level inside the vial during for aspiration or dispensing. This device aids in measuring the correct position.

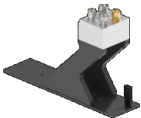
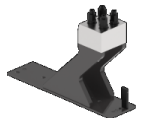
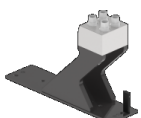


Part No	Description
01-04950	Vial Needle Position Height Gauge

Bulk Solvent Manifolds

The Solvent Manifold enables delivery of larger reagent or solvent volumes from bulk bottles positioned alongside the ePrep system. Available in three configurations tailored to different syringe types, the manifold accommodates Version #1 for Needled Syringes, Version #2 for Guided Luer Syringes, and Version #3 for μ SPEd Syringes. Each configuration is equipped with three inlet ports fitted with one-way valves to prevent backflow, along with a single waste outlet port for efficient liquid handling.



Image	Part No	Description
	01-04205	For use with ePrep Needle Syringes Solvent Manifold for Needle ePrep Syringes. 3 x Inlet Ports and 1 x Waste Outlet Port supplied with Tubing and Inline Filters.
	01-04207	For use with ePrep Guided Luer Syringes Solvent Manifold for Guided Luer Syringes. 3 x Female Luer Inlet Ports and 1 x Waste Outlet Port supplied with Tubing and Inline Filters.
	01-04210	For use with ePrep μSPEd Syringes Solvent Manifold for μ SPEd Syringes. 3 x eZy-Connect Inlet Ports and 1 x Waste Outlet Port supplied with Tubing and Inline Filters.
Replacements		
	01-04250	Manifold Tubing, 3/16" OD x 1/8" ID, LDPE, per metre
	01-04252	Manifold Tubing, 3/16" OD x 1/8" ID, FEP (Tefzel), per metre
	01-04256	Manifold Check Valve Replacement Kit (Pkt 3)
	01-04257	Manifold Needle Version Seal Kit (Pkt 5)
	01-04265	Manifold inlet tubing inline filter - 20 micron pp membrane (Pkt 2)

Probe Dispenser

The Probe Dispenser can be used for preparation tasks requiring large volume addition of diluent or reagent. The Probe Dispenser can dispense 2 different solvents through a valve port and uses a 5mL Syringe Pump to deliver liquids to vials quickly and efficiently. It can do multiple dispenses into a single vial up to 50mL. It comes in standard and PFAS Free versions.

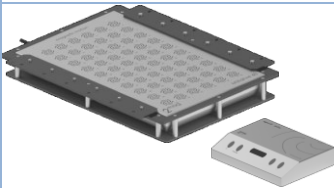


Part No	Description
01-04300	Probe Dispenser, 2 inlet ports fitted with needle outlet attachment. (No Power Plug) Note: See country specific power plugs.
PFAS Free Probe Dispenser	
01-04304	Probe Dispenser, PTFE-FREE, 2 inlet ports fitted with needle outlet attachment. (No Power Plug) Note: See country specific power plugs.
Replacements	
01-15002	Probe Dispenser 5ml Teflon Tip Replacement Syringe
01-15003	Probe Dispenser 5ml (Pfas Free) Replacement Syringe
01-09828	Replacement Needle, Probe Dispenser (Pkt 2)

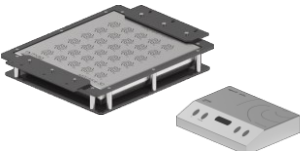
Magnetic Stirrer - 30 and 60 Position Magnetic Stirrers

On-deck sample stirring is facilitated by the 30 or 60 position magnetic stirrer, suitable for applications including environmental soil samples, pharmaceutical tablet or paste dissolution, and viscous sample processing. Stirring profiles are fully configurable through the ePrep software. Additionally, ePrep has developed a patent-pending magnetic bead specifically designed for large soil sample extractions, such as PFAS or semi-volatile compounds in soil matrices.



Image	Part No	Description	Plate Size
60 POSITION			
	01-04502	60 position Magnetic Stirrer Kit (No Power Plug) Includes: 60 Position Magnetic Stirrer - Control Box Notes: See country specific power plugs. Adapter Plate for Rack Vials sold separately – see below	6P
	01-04516	60 Position Adapter Plate/Rack for 20-40mL Enviro Vials	6P
	01-04518	60 Position Adapter Plate/Rack for 6-20mL Headspace Vials	6P

{60 position is only suitable for new ePrep with SN 1000546 and higher due to base configuration}

30 POSITION			
	01-04504	30 position Magnetic Stirrer Kit (No Power Plug) Includes: 30 Position Magnetic Stirrer - Control Box Notes: See country specific power plugs. Adapter Plate for Rack Vials sold separately – see below	3P
	01-04515	30 Position Adapter Plate/Rack for 20-40mL EPA Enviro Vials	3P
	01-04517	30 Position Adapter Plate/Rack for 6-20mL Headspace Vials	3P
POLYPROPYLENE STIRRING BEAD			
	01-04521	ePrep Design PP Magnetic Beads (Patent Pending) (Pkt 10) for soil extraction methods. Can be cleaned between use.	N/A
	01-04520	Magnetic stirrer jig for RPM accuracy testing & qualification. An optical tachometer required to operate this jig.	N/A

21 CFR Part 11 and IQ/OQ Documentation and Services

21 CFR Part 11 compliant software and comprehensive IQ/OQ documentation for validation are available for the ePrep ONE system. Activation of 21 CFR Part 11 functionality requires the instrument serial number for system authentication.

Authorized ePrep representatives can provide onsite validation services conducted by qualified engineers, offering either instrument-only IQ/OQ validation or complete instrument and 21 CFR Part 11 software validation packages.

Part No	Description
01-01500	Software and IQ/OQ Documentation Package - 21 CFR Part 11
01-01501	Onsite Validation IQ/OQ by Qualified Engineer for Instrument Only
01-01502	Onsite Validation IQ/OQ by Qualified Engineer for Instrument and & 21 CFR Part 11. Note Part No. 01-01500 must be ordered separately

ePrep Software Simulation Dongle

Software Simulation Dongle enables virtual demonstration of ePrep software without connection to the ePrep. The dongle is inserted into a computer USB drive to simulate instrument operation.

Note: ePrep ONE software supplied separately.



Part No	Description
01-02093	ePrep Software Demo Dongle

Analytical Syringes for ePrep ONE

ePrep ONE analytical syringes incorporate patented XCHANGE technology, enabling robotic syringe interchange during workflow operations. Available in volumes providing overlapping dispense ranges from 1 µL to over 10mL, these gas-tight syringes feature standard Teflon or PFAS-free fittings and needle length options of 80mm or 103mm to accommodate varying vial heights. Each syringe is equipped with a uniquely coded RFID tag matching the barrel's serial number, allowing automatic identification within the ePrep Workflow system. The pre-fitted RFID tag enables direct loading onto the ePrep Tool Rack, where the software automatically recognizes syringe parameters and facilitates verification or calibration procedures.



Part No	Description
Standard 80mm Needle Syringes	
01-09005	10 µL ePrep Syringe, Cone 80mm Removable Needle
01-09014	100 µL ePrep Syringe, Cone 80mm Removable Needle
01-09020	1 mL ePrep Syringe, Cone 80mm Removable Needle
01-09026	10 mL ePrep Syringe, Cone 80mm Removable Needle
LongReach 103mm Needle Syringes	
01-09030	100 µL ePrep Syringe, Cone Removable 103 mm Long Reach Needle
01-09035	1 mL ePrep Syringe, Cone Removable 103 mm Long Reach Needle
01-09037	10 mL ePrep Syringe, Cone Removable 103 mm Long Reach Needle
PFAS Free Standard 80mm Needle Syringes	
01-09046	100 µL ePrep PFAS Free Syringe, Cone 80mm Removable Needle
01-09047	1 mL ePrep PFAS Free Syringe, Cone 80mm Removable Needle
01-09048	10 mL ePrep PFAS Free Syringe, Cone 80mm Removable Needle
PFAS Free LongReach 103m Needle Syringes	
01-09210	100 µL ePrep PFAS Free Syringe, Cone Removable 103 mm Long Reach Needle
01-09212	1 mL ePrep PFAS Free Syringe, Cone Removable 103 mm Long Reach Needle
01-09214	10 mL ePrep PFAS Free Syringe, Cone Removable 103 mm Long Reach Needle
Replacement Needles for ePrep Syringes	
for Standard 80mm ePrep Syringes	
01-09803	Replacement Needle for 10 µL Syringe, 80 mm x 0.11mm ID Cone (Pkt 2)
01-09807	Replacement Needle for 100 µL Syringe, 80 mm x 0.24mm ID Cone (Pkt 2)
01-09811	Replacement Needle for 1 mL Syringe, 80 mm x 0.24mm ID Cone (Pkt 2)
01-09815	Replacement Needle for 10 mL Syringe, 80 mm x 0.36mm ID Cone (Pkt 2)
for LongReach 103mm ePrep Syringes	
01-09817	Replacement Needle for 100 µL Syringe, 103 mm x 0.24mm ID Cone (Pkt 2)
01-09820	Replacement Needle for 1 mL Syringe, 103 mm x 0.32mm ID Cone (Pkt 2)
01-09822	Replacement Needle for 10 mL Syringe, 103 mm x 0.32mm ID Cone (Pkt 2)

Guided Luer Syringes

Guided Luer syringes are designed for ePrep ONE syringe filter, spSPE, and Luer pressure applications, enabling automated pickup and drop-off of Luer-fitted accessories. Available in gas-tight Teflon or PFAS-free configurations, these syringes are fully integrated into the ePrep software with all parameters configured for seamless workflow operation.



Part No	Description
Standard Syringes	
01-09088	10mL ePrep Guided Luer Syringe, recommended for spSPE
PFAS Free Syringes	
01-09091	10mL ePrep PFAS Free Guided Luer Syringe, recommended for spSPE

eZy-Connect (μSPEed®) Syringes

eZy-Connect syringes are designed for use with ePrep μSPEed and SPEmx cartridges, featuring ePrep's patented "spiked" interface that delivers low dead volume and high-pressure connections to cartridges and other fittings. Syringes are available in standard Teflon and PFAS-free versions.



Part No	Description
01-09083	500 μL ePrep Syringe, eZy-Connect suitable for μSPEed and SPEmx Cartridges
01-09085	1 mL ePrep Syringe, eZy-Connect suitable for μSPEed and SPEmx Cartridges
PFAS Free Syringes	
CALL	10 mL ePrep PTFE Free Syringe, eZy-Connect suitable for μSPEed and SPEmx Cartridges

Replacement Piercers and Piercer Cleaning Brush

Image	Part No	Description
	01-09795	Replacement ePrep Piercer (Pkt 2)
	01-09797	Piercer Cleaning Brush (Pkt 2)

Power Cords for ePrep ONE, Accessories and Computers

Country-specific power plugs for ePrep ONE, Accessories & Computer should be ordered separately to the product.

Part No	Description
ePrep ONE & Accessory Power Cords	
01-02082	Australian Power Cord, IEC C13
01-02083	European Power Cord, IEC C13
01-02084	USA Power Cord, IEC C13
01-02085	UK Power Cord, IEC C13
01-02086	Swiss Power Cord, IEC C13
Computer Power Cords	
01-02071	European ePrep Laptop Power Cord, IEC C5
01-02072	USA ePrep Laptop Power Cord, IEC C5
01-02073	UK ePrep Laptop Power Cord, IEC C5
01-02074	Swiss ePrep Laptop Power Cord, IEC C5

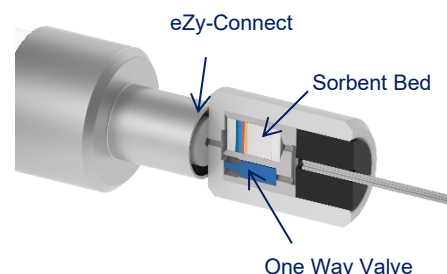
Replacement Spares for ePrep Instrument

Please contact ePrep if you require additional information and instructions for

Part No	Description
01-02080	Replacement ePrep 110-240 AC TO 24V DC (221W) Power Supply
01-02104	Y-Axis - Replacement Axis
01-02106	Z-Axis - Replacement Axis
01-02108	P-Drive - Replacement Axis
01-02110	PCB - Main ePrep
01-02112	PCB - P-Drive (P1)
01-02113	PCB - P-Drive (P2)
01-02114	Replacement X-Y Interconnect
01-02115	ePrep LED Logo
01-02120	X drive belt
01-02122	End idler X
01-02124	Mid idler X
01-02126	X stepper driver
01-02130	Y stepper driver
01-02140	Z stepper driver
01-02148	Y & Z motor connection coupling spiders
01-02160	P-Drive Digitizer
01-02165	P-Drive stepper driver
01-02170	Syringe XCHANGE actuator
01-02172	Plunger XCHANGE coupling
01-02174	Syringe XCHANGE coupling with mounting bracket, guide sleeve and actuation plate
01-02180	Peristaltic pump Specify colour (Red, Green or Blue) required at time of order
01-02181	Wash Station Tubing, silicon, 5mm OD6 x 3mm ID
01-02183	Calibration Probe
01-02190	Wash Station Peristaltic Pump Tubing, BPT, 5mm OD x 3mm ID
01-03099	AP, Single Blank Cover Plate

μSPEed® syringe mounted micro SPE Cartridges with valve

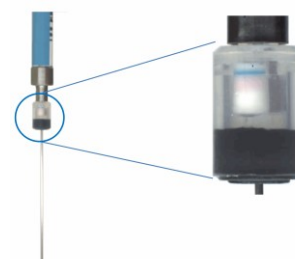
- ✓ Clean, efficient and powerful micro SPE
- ✓ Analytical syringe connection
- ✓ Can be fully automated on ePrep
- ✓ 1000:1 concentration factor achievable
- ✓ Reduce Solvent consumption - no solvent blowdown
- ✓ 3 μm sorbents capable of micro HPLC separations
- ✓ Direct analytical detector (e.g. Mass Spectrometer) interface



μSPEed cartridge connection to syringe (eZy-connect)

μSPEed cartridges (patented) offer a unique opportunity to revolutionise micro SPE, elementary HPLC and sample fractionation.

Using a one-way valve, sample loading and elution is in one direction. The liquid is aspirated through a one-way valve and dispensed on to the top of a sorbent bed. Using the positive displacement of an analytical syringe, high pressures allow 3 μm sorbents to be used resulting in clean, high-efficiency separations.



Dye separation band in μSPEed cartridges

Specifications

Sorbent Bed = Ø2.1 mm x 2.3 mm (8 μL, 3.7 mg Silica).
 Flow Path = polypropylene, fluoroelastomer, and 304 stainless steel
 Solvent Compatibility = Avoid using pure Strong Non-Polar and Aprotic Polar Solvents (eg. Dichloromethane and 100% Acetonitrile)

Multiple Use

μSPEed cartridges can be used multiple times depending on sample matrix and SOP requirements. To reuse condition with organic solvent multiple times prior to the next sequence.

Applications

μSPEed cartridges can replace conventional SPE, compound fractionation, high concentration factors and even LC isocratic and stepped elution for Direct MS Infusion.

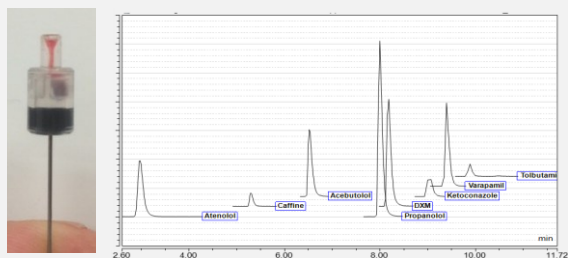
	μSPEed	SPE	MEPS/SPEmx	SPME
Sorbent Size	≤3μm	40-60μm	40-60μm	Coated Fibre
Typical Sample Volume	10μL-10mL	2-3mL	50μL-5mL	2mL
Time/Speed	Very Fast ¹	Very Slow	Fast	Slow
Extraction Efficiency	Excellent ²	Poor	Very Poor	Very Poor
Concentration Factor	Very High(x2-x1000)	Very Low(x1-x10)	High	Low
Price	<\$1 (multi use)	\$3-\$5	<\$1 (multi use)	\$2
Total Solvent	200μL	10mL	500μL	n/a
Evaporation Step	Never Required	Required	Rarely Required	n/a
Automation	Yes	Difficult	Limited	Yes

Technique Comparison

μSPEed is faster than conventional SPE. Because smaller particle size sorbents are used in μSPEed, it performs like a high resolution HPLC column with elution in a narrow precise band. μSPEed use less solvent, can achieve a very high concentration factor, require no post SPE evaporation step and can be fully automated.

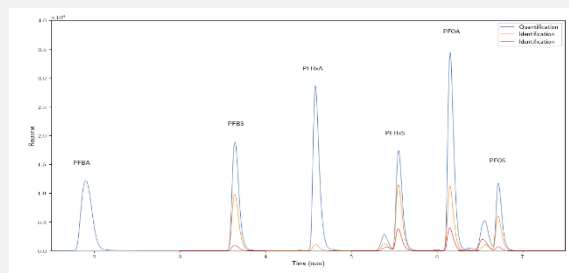
Examples

Recovery of Drug Mix from Serum and Blood



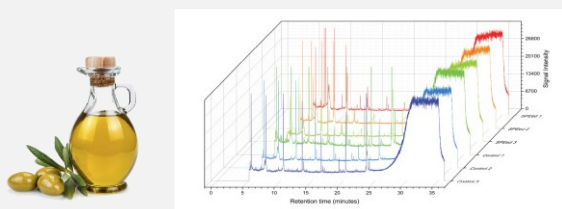
Selective Ion Monitoring at 0.02ppm after μ SPeed extraction from serum and blood

PFAS by Automated μ SPEed/PFAS



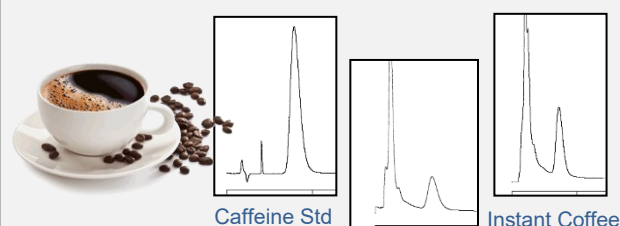
5 µg/L of PFBA, PFBS, PFHxA, PFHxS, PFOA and PFOS that has undergone a ten-times pre-concentration

On-column Derivatisation of Fatty Acids



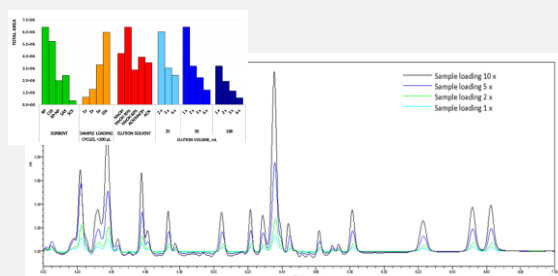
Stacked chromatograms of
μSPEed derivatised FAMES in olive oil

μSPEed Direct Analysis of Caffeine in Saliva



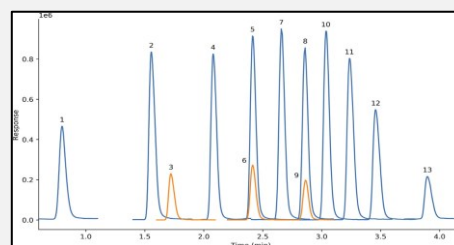
Direct μ SPEd Cartridge to UV analysis of caffeine

Fast microExtraction of Polyphenols in Teas



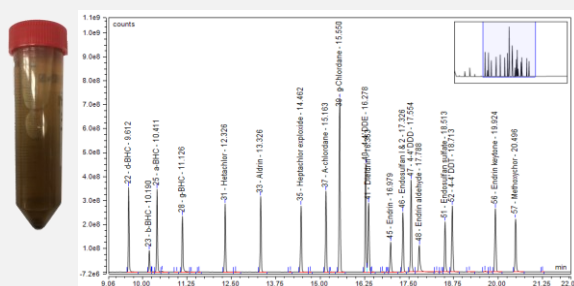
Linear μ SPEed extraction recovery over 10-fold concentration

PFAS Concentration by Automated μ SPEed



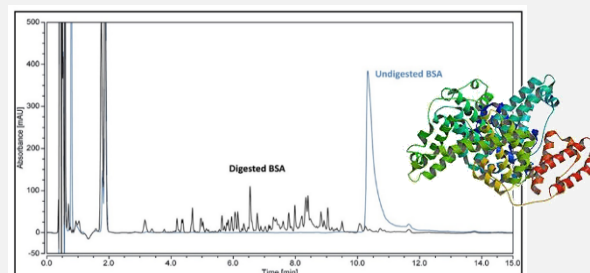
μSPEed concentration of PFBA (1), PFPeA (2), PFBS (3), PFHxA (4), PFHpA (5), PFHxS (6), PFOA (7), PFNA (8), PFOS (9), PFDA (10), PFUnA (11), PFDoA (12), PFTeDA (13).

microExtraction Trace Pesticide Analysis



Direct shoot trap of pesticides in sedimentary water

2min Trypsin Digest of Bovine Serum Albumin (BSA)



Overlaid chromatograms at 215 nm of undigested BSA (blue), and the resulting 2 minutes BSA digestion on trypsin μ SPEed-Cxyl cartridge.

Micro SPE Cartridges

μSPEed® micro SPE Cartridges (with valve)

Part No	Description		
Silica-Based			
01-10110	C18 (ODS), 3 µm / 120Å Silica µSPEed Cartridges	(Pkt 10)	Stock
Specialty Silica-Based			
01-10118	PFAS-50 {50% WAX}, 3 µm / 120Å µSPEed Cartridges	(Pkt 10)	Stock
01-10124	C18/P Hydrophilic ODS 3 µm / 120Å µSPEed Cartridges	(Pkt 10)	Stock
Cxyl, Customisable Chemistry			
01-10185	Cxyl 3 µm, Customisable Chemistry µSPEed Cartridges	(Pkt 10)	Stock

PFAS WAX - SPEmx™ Cartridges with Dipper Tubes

PFAS WAX SPEmx Cartridges are purpose-built for micro solid-phase extraction (μSPE) of PFAS compounds in water samples. Cartridges are designed for 10mL of Water Sample and comes with a matching Dipper Needle for sample extraction. The Dipper Needles are designed to work seamlessly with the Dipper Tube Rack (Part Number 01-03013).



Part No	Description
CALL	PFAS Wax μSPEmx cartridges with dipper needles (Pkt 50)

Detachable Needles with eZy-Connect™

Detachable needles with hub which can be fitted to a μSPEed syringe for high-pressure connection.



Part No	Description
01-10997	56.5mm x 23g (0.64mmOD) x 0.22mmID eZy-Connect Domed Hub Needles (Pkt 5) Note: Earlier versions of this needle were 50mm. ePrep has now standardized on 56.5mm to align with ePrep requirements.

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