

Ion Chromatography Supplies



Environmental Express is your source for reliable, economical IC supplies.

Environmental Express offers a range of products to support ion chromatography. From standards to buffers to sample cleanup, we provide in-stock products and the highest level of customer service.

Sample Handling Products for Dionex® Autosamplers.

AS-40 Consumables:

Our 5mL vials fit directly into existing AS-40 sample cassettes. The straight-sided polypropylene vials are typically supplied with filtering caps fitted with polyethylene frits. As the autosampler probe descends into the vial, the cap is forced down and sample is forced up and through the sampling system into the instrument. Our vials are available with your choice of filtered or non-filtered caps. For small samples we offer the 0.5mL vial and filtering caps with the same range of product choices.

AS-50 Consumables:

For AS-50 autosamplers we provide a 7mL polypropylene vial with pierce cap. This is an alternative to the 10mL vial with screw cap and septum that is typically used on the AS-50. In this product, an easily pierced, thin walled polyethylene cap serves as the septum.

For smaller samples we also offer the standard 1.5mL vial with slit cap that is familiar to users.

Our Stainless Steel Probe Tip replaces the thermoplastic tip for the Dionex AS/40 & AS-DV autosamplers.

The stainless steel tip will not scratch or deform ensuring an extremely long service life. The tip is fully rounded to provide a better engagement with the filter cap. The tip comes with 18" of 0.010 X 0.062 FEP tubing inserted.

Description	Catalog #	OEM #
Vials and Caps for Dionex AS-40 Autosampler		
5mL vial and cap with filter	K1250	038141
5mL vial and cap w/o filter	K4250	—
5mL vial only	K2250	038008
Cap for 5mL vial with filter	K3250	038009
Cap for 5mL vial w/o filter	K3200	—
0.5mL vial and cap with filter	K4270	038142
0.5mL vial and cap without filter	K4280	—
Vials and Caps for Dionex AS-50 Autosampler		
Nominal 7mL vial w/pierce cap	K4300	055058
1.5mL Polypropylene vial w/septum cap	K4350	061696
Stainless Steel Probe Tip		
Probe tip for Dionex AS/40 & AS-DV	K1001	040836



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Polypropylene conical tubes are available for use in the Metrohm-Peak® Autosampler.

Tubes are 16.8mm in diameter and have a capacity of 12mL. Polyethylene caps keep airborne contamination out, but are easily penetrated by sampling needles. Caps and tubes are also sold separately.

Description	Catalog #	OEM #
12mL tube w/break cap	SC0250	M.274.110
12mL tube w/o break cap	SC0251	—
Break caps for SC0251	SC0252	—



Conical tubes for use in Metrohm-Peak IC Autosampler.

47mm Final Filter for Metrohm-Peak IC

0.1µm asymmetric polyethersulfone filter provides fast flow rate and ultra-fine particle trapping for final sample filtration in Metrohm-Peak systems.

Description	Catalog #	OEM #
47mm PES, 0.1µm filter	F470100PES	6.2714.020

Eluent Buffers for Ion Chromatography

IC eluent concentrates provide five, ten-liter aliquots of final working solution. Bring solution to volume with Type 1 water. Concentrates meet requirements of EPA 300, rev. 2 or Part A, and are supplied with MSDS and Certificate of Analysis. All eluent buffers are supplied in sets of five 100mL bottles.

Description	Catalog #
Sodium Bicarbonate 0.5M, after dilution	IC-E1100
Sodium Carbonate 0.5M, after dilution	IC-E1200
Sodium Carbonate 0.18M/Sodium Bicarbonate 0.17M, after dilution	IC-E1300
Sodium Carbonate, 0.35M/Sodium Bicarbonate 0.15M, after dilution	IC-E1400
Sodium Carbonate, 0.45M/Sodium Bicarbonate 0.14M, after dilution	IC-E1600



Clean up samples prior to analysis with Ion Removal Cartridges.

A variety of ion removal cartridges are available to clean up samples prior to analysis. Resins are packed in inert polypropylene housings. Housings accept slip luer or luer-lock syringes.

Description	Size	Catalog #
CleanUp Cartridge, Ag	1cc	K4420
CleanUp Cartridge, Ag	2.5cc	K4421
CleanUp Cartridge, Ba	1cc	K4440
CleanUp Cartridge, Ba	2.5cc	K4441
CleanUp Cartridge, H	1cc	K4450
CleanUp Cartridge, H	2.5cc	K4451
CleanUp Cartridge, Ag/H	1cc	K4460
CleanUp Cartridge, Ag/H	2.5cc	K4461
CleanUp Cartridge, Ba/Ag/H	2.5cc	K4462

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