

PFAS Analysis Solutions

As a leader in LC-MS, Waters provides turnkey applications for complete PFAS analytical solutions. This guide provides product information on those critical instrument kits and consumables.

INSTALLATION KITS

PFAS Solution Installation Kits provide everything to meet your PFAS workflow needs. The kit includes necessary items to help minimize PFAS-containing components within your system. In addition, it offers a unique solution to separate any remaining system – introduced PFAS contaminants with an isolator column and stainless-steel coil loop.

Kits include:

- Separation (ACQUITY™ UPLC™ Column)
- Isolator column
- PEEK tubing
- PEEK solvent lines
- Stainless-steel fittings
- Solid phase extraction cartridges
- PE/PP vials
- High concentration standard
- Precision and recovery standard

OASIS WAX SAMPLE PREPARATION PRODUCTS

Waters™ Oasis™ WAX for PFAS Analysis is a mixed-mode, Weak Anion-eXchange, reversed-phase, water-wettable polymer that delivers unmatched purity, consistency, and quality for sample analysis in drinking water, ground water, wastewater, and other complex matrices.

It is designed specifically for environmental testing laboratories that need to perform low-level quantification of ubiquitous per- and polyfluoroalkyl substances (PFAS) in environmental samples.

- Enables PFAS extraction and concentration without the risk of cross-contamination through a comprehensive quality-control, pre-screening test for 32 PFAS.
- Provides assurance in results through application-specific, quality control testing, reducing the risk of false positive results from a critical step in the workflow.



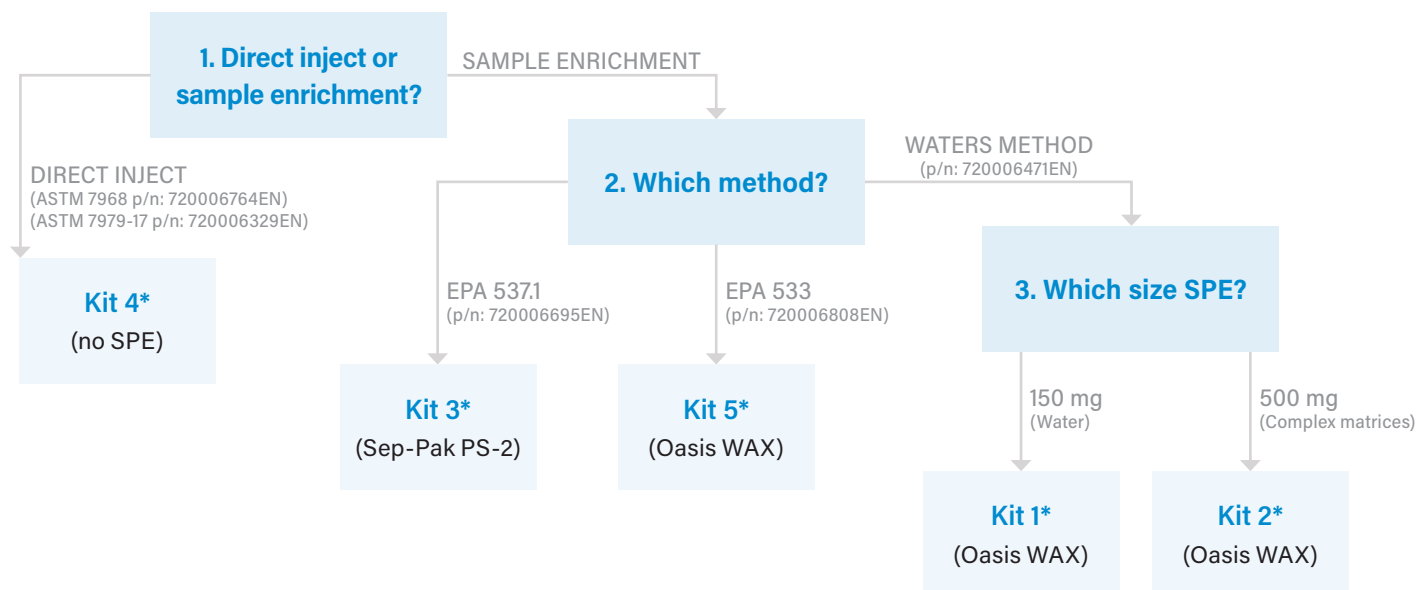
Oasis WAX Sample Preparation Products and ACQUITY UPLC I-Class PLUS System (FTN).



ORDERING INFORMATION

INSTALLATION KITS

Kit Selection in 3 Questions or Less



*Installation kits 1-5 are not available in APAC. For alternative installation kit options for APAC, please contact your local sales representative.

Description		P/N
Installation Kit for Waters Method		
Kit 1: PFAS Solution Installation Kit with Oasis 150 mg		176004548
Kit Includes	PFAS Kit System Guide, Kit, Tube Assembly (SS and PEEK), Nuts, Isolator Column, ACQUITY/Alliance™ Bottle Accessories (PEEK mobile phase solvent lines, fittings), Native PFAS Precision and Recovery Standard Solution, Vials)	
	ACQUITY UPLC BEH™ C ₁₈ , 1.7 μm, 2.1 x 100 mm Column	186002352
	Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 150 mg Sorbent per Cartridge, 30 μm Particle Size, 30/pk	186009345
Installation Kit for Soil and Other Complex Samples		
Kit 2: PFAS Solution Installation Kit with Oasis 500 mg		176004549
Kit Includes	PFAS Kit System Guide, Kit, Tube Assembly (SS and PEEK), Nuts, Isolator Column, ACQUITY/Alliance Bottle Accessories (PEEK mobile phase solvent lines, fittings), Native PFAS Precision and Recovery Standard Solution, Vials)	
	ACQUITY UPLC BEH C ₁₈ , 1.7 μm, 2.1 x 100 mm Column	186002352
	Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 500 mg Sorbent per Cartridge, 60 μm Particle Size, 30/pk	186009347
Installation Kit for EPA Method 537 (Regulated Drinking Water ONLY)		
Kit 3: PFAS Solution Installation Kit with Sep-Pak PS-2 500 mg		176004550
Kit Includes	PFAS Kit System Guide, Kit, Tube Assembly (SS and PEEK), Nuts, Isolator Column, ACQUITY/Alliance Bottle Accessories (PEEK mobile phase solvent lines, fittings), Native PFAS Precision and Recovery Standard Solution, Vials)	
	ACQUITY UPLC BEH C ₁₈ , 1.7 μm, 2.1 x 100 mm Column	186002352
	SepPak™ PS2 6 cc/500 mg, 80 μm Particle Size, 50/pk	WAT200610

Description		P/N
Installation Kit for Water Direct Injection Method		
Kit 4: PFAS Solution Installation Kit for Direct Injection		176004554
Kit Includes	PFAS Kit System Guide, Kit, Tube Assembly (SS and PEEK), Nuts, Isolator Column, ACQUITY/Alliance Bottle Accessories (PEEK mobile phase solvent lines, fittings), Native PFAS Precision and Recovery Standard Solution, Vials)	
	ACQUITY UPLC CSH™ Phenyl-Hexyl, 1.7 µm, 2.1 x 100 mm Column	186002352
	Glass Fiber Acrodisc 25 mm, 1.0, 50/pk	186009345
Installation Kit for EPA Method 533		
Kit 5: PFAS Solution installation Kit for EPA Method 533		176001767
Kit Includes	PFAS Kit System Guide, Kit, Tube Assembly (SS and PEEK), Nuts, Isolator Column, ACQUITY/Alliance Bottle Accessories (PEEK mobile phase solvent lines, fittings), Native PFAS Precision and Recovery Standard Solution, Vials)	
	ACQUITY UPLC BEH C ₁₈ , 1.7 µm, 2.1 x 100 mm Column	186002352
	Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 500 mg Sorbent per Cartridge, 30 µm Particle Size, 30/pk	186009568

Individual Components (included in all of the above Installation Kits)

Description	P/N
Kit, Analysis, Perfluorinated Compounds (UPLC Kit containing tube assembly [SS and PEEK] and nuts)	205000588
Isolator Column	186004476
ACQUITY/Alliance Bottle Accessories Kit (PEEK mobile phase solvent lines, fittings)	205000589
Native PFAS Precision and Recovery Standard Solution	PFAC30PAR
Polypropylene 12 x 32 mm Screw Neck Vial, with Peseptumless Cap, 700 µL Volume, 100/pk	186005230
PFAS Kit System Guide (for installation on Waters ACQUITY UPLC I-Class and H-Class Systems)	715006386

* Waters PFAS Installation Kits are intended for installation on ACQUITY UPLC I-Class Systems with Xevo™ TQ-S or Xevo TQ-XS Kits. The main differences between the kits are the Sample Preparation Products and Columns which are dependent on the method followed.

**It is recommended that kits are installed by a Waters Service Engineer.

Sample Preparation Products

Description	P/N	Comments
Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 150 mg Sorbent per Cartridge, 30 µm Particle Size, 30/pk	186009345	Reference Waters Application Note (p/n: 720006471EN).
Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 150 mg Sorbent per Cartridge, 30 µm Particle Size, 300/pk	186009344	
Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 500 mg Sorbent per Cartridge, 60 µm Particle Size, 30/pk	186009347	QC Tested Recommended for soil and other complex samples.
Oasis WAX for PFAS Analysis 6 cc Vac Cartridge, 500 mg Sorbent per Cartridge, 60 µm Particle Size, 300/pk	186009346	
OASIS WAX for PFAS Analysis 6 cc Vac Cartridge, 500 mg Sorbent per Cartridge, 30 µm Particle Size, 30/pk	186009568	EPA Method 533 (reference Waters Application Note, p/n: 720006808EN).



Sample Preparation Products continued

Description	P/N	Comments
Sep-Pak PS2 6 cc, 500 mg, 80 µm, 30/pk	WAT200610	US EPA Method 537 (reference Waters Application Note, p/n: 720006695EN). For regulated drinking water ONLY.
Acrodisc, Syringe Filter, Glass Filter, 25 mm, 1 µm, Aqueous, 50/pk	WAT200818	ASTM 7968 (reference Waters Application Note, p/n: 720006764EN) and ASTM 7979-17 (reference Waters Application Note, p/n: 720006329EN). For direct Inject.

Columns

Description	P/N	Comments
ACQUITY UPLC BEH C ₁₈ , 1.7 µm, 2.1 x 100 mm Column	186002352	Column recommended for EPA Methods.
ACQUITY CSH Phenyl-Hexyl, 1.7 µm, 2.1 x 100 mm Column	186005407	Column for ASTM Methods.



Vials and Filters

Description	P/N
Polypropylene 12 x 32 mm Screw Neck Vial, with Polyethylene Septumless Cap, 700 µL Volume, 100/pkg	186005230
Acrodisc, Syringe Filter, Glass Filter, 25 mm, 1.0 µm, Aqueous, 50/pkg	WAT200818
Acrodisc, Syringe Filter, Glass Filter, 25 mm, 1.0 µm, Aqueous, 50/pkg	WAT200818



For more information, contact your local sales representative or visit [waters.com/PFAS](https://www.waters.com/PFAS).

Waters

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