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Liners, Vials & Convenience Kits for Per-and Polyfluoroalkyl substances (PFAS) testing



FINNERAN porvair
sciences

Why and What is PFAS all about?

There is increasing evidence that exposure to PFAS (Per- and Polyfluoroalkyl) can adversely affect human health. Per- and Polyfluoroalkyl substances do not break down, accumulating over time in the human body and the environment. Government regulations are increasing mandating that many materials should be tested to ensure that there are no traces of PFAS or that the traces found are below the legal limits.

PFAS are widely used in materials such as PTFE. PTFE is commonly used in chemical analysis consumables. Laboratories require labware products that do not contain PTFE to minimize background contamination.

The analytical detection method of choice for PFAS analysis is liquid chromatography - mass spectrometry – mass spectrometry (LC/MS/MS), which is especially suited for analysis of ionic compounds such as the PFASs and PFCAs. Gas chromatography-mass spectrometry (GC/MS) can also be used for PFAS analysis. However, while LC/MS/MS analysis of PFAS is widely available, GC/MS analysis has limited commercial availability for PFAS. While most analytical methods used for PFAS utilize LC/MS/MS, just as with sample preparation, there are significant ways in which the method differ that need to be considered when selecting a method.

Finneran Porvair has a complete product line of vials, closures, liners and kits suitable for PFAS Testing. Our product offerings include 1mm polyimide/silicone lined closures, unlined polypropylene and polyethylene closures and polypropylene vials in 9mm screw thread and 11mm crimp finishes. We also offer our closures and vials in a variety of convenience kits.

Unlined Closures for PFAS Testing



5200-11

Unlined closures have a 10mil thick membrane molded into the closure eliminating the need for a liner. These unlined closures perform well for single injection testing.



5330-09

Cat. No.	Description	Shelf Pack	Case Pack
5330-09	9mm R.A.M™ Top Seal™, Solid Top, Clear Polypropylene Closure, 10mil Thick Septa	100	1000
5330PE-09	9mm R.A.M™ Top Seal™, Solid Top, Clear Polyethylene, 10mil Thick Septa	100	1000
5200-11	11mm Snap Top Cap™, Solid Top, Clear Polyethylene Closure, 10mil Thick Septa	100	1000

Closures lined with 1mm Thick Polyimide/Silicone for PFAS Testing



5230-11B

The 1mm thick polyimide is amber translucent and the white silicone rubber is a high purity rubber composition resulting in low leachables. This new closure has a useable temperature range up to 130°C and performs well up to ten injections.



5390-09FRB

Cat. No.	Description	Shelf Pack	Case Pack
5390-09SFRB	9mm R.A.M.™ Ribbed Royal Blue Closure, 1mm Thick Polyimide/Silicone lined	100	1000
5230-11B	11mm Blue Snap Top Cap™, 1mm Thick Polyimide/Silicone lined	100	1000

Polypropylene Snap Ring™/Crimp Top, Snap Seal™/Crimp Top Vials and 9mm Screw Thread Vials



Our polypropylene vials are designed to work in most autosamplers. These lightweight vials are an economical alternative to glass. Manufactured from chemical resistant polypropylene, they are ideal for PFAS sampling, testing, storing and transporting.



30109P-1232

30509P-1232

Cat. No.	Description	Shelf Pack	Case Pack
30109P-1232	100-300µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm	100	1000
30509P-1232	500µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm	100	1000
30709P-1232	750µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm	100	1000
31509P-1232	1.5mL Polypropylene R.A.M.™ Vial, 9mm Screw Thread, 12x32mm	100	1000

Cat. No.	Description	Shelf Pack	Case Pack
30111P-1232	100-300µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm	100	1000
30511P-1232	500µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm	100	1000
30711P-1232	750µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm	100	1000
31511P-1232	1.5mL Polypropylene, 11mm Snap Seal™/Crimp Top Vial, 12x32mm	100	1000

9mm R.A.M.™ Convenience Kits for PFAS Testing

Components packaged in a clear lid tray, keeping vials and closures visible and particle free.

Cat. No.	Description	Shelf Pack	Case Pack
9013P-12SFRB	Convenience Pack - P/N 30109P-1232 and 5390-09SFRB 100-300µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm, 9mm R.A.M.™ Ribbed Cap, Royal Blue, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
9053P-12SFRB	Convenience Pack - P/N 30509P-1232 and 5390-09SFRB 500µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm, 9mm R.A.M.™ Ribbed Cap, Royal Blue, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
9073P-12SFRB	Convenience Pack - P/N 30709P-1232 and 5390-09SFRB 750µL Polypropylene R.A.M.™ Limited Volume Vial, 9mm Screw Thread, 12x32mm, 9mm R.A.M.™ Ribbed Cap, Royal Blue, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
9153P-12SFRB	Convenience Pack - P/N 31509P-1232 and 5390-09SFRB 1.5mL Clear Polypropylene R.A.M.™ Vial, 9mm Screw Thread, 12x32mm, 9mm R.A.M.™ Ribbed Cap, Royal Blue, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000

11mm Snap Ring™/Crimp Top Convenience Kits for PFAS Testing

Components packaged in a clear lid tray, keeping vials and closures visible and particle free.

Cat. No.	Description	Shelf Pack	Case Pack
901523P-12B	Convenience Pack - P/N 30111P-1232 and 5230-11B 100-300µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm, 11mm Blue Snap Cap, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
905523P-12B	Convenience Pack - P/N 30511P-1232 and 5230-11B 500µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm, 11mm Blue Snap Cap, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
907523P-12B	Convenience Pack - P/N 30711P-1232 and 5230-11B 750µL Polypropylene, 11mm Snap Ring™/Crimp Top Limited Volume Vial, 12x32mm, 11mm Blue Snap Cap, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000
915523P-12B	Convenience Pack - P/N 31511P-1232 and 5230-11B 1.5mL Polypropylene, 11mm Snap Seal™/Crimp Top Vial, 12x32mm, 11mm Blue Snap Cap, 1mm Thick Polyimide/Silicone Lined for PFAS Testing	100	1000

Silicone/Polyimide Compatibility Chart

	Acetonitrile	Methanol	THF	DMF	Alcohols (ethanol)	Ether	Cyclohexane	Acetone
Silicone/ Polyimide	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
	Hydrocarbons	Benzene	Toluene	DMSO	DCM	Acetic Acid	Phenol	
	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes



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