Product Information

August 2025

Our Delivery Program for PFAS Analysis

Per- and polyfluorinated alkyl substances (PFAS) as ubiquitous and enormously persistent pollutants ("forever chemicals") with partially substantial hazard potential represent an important and still growing target for environmental analysis. Due to the large number of samples that must be tested for PFAS and the multitude of structurally similar PFAS, their analysis poses special challenges with regard to separation efficiency and time. With the phase Multospher PFAS, CS-Chromatographie Service GmbH offers an excellent solution to this complex separation problem. In cooperation with Kevin Staudt of the Service Point for Mass Spectrometry of Saarland University, a method was developed to achieve very good separation for 20 PFAS in only eight minutes.

Separation of PFAS Standard (20 PFAS) on Multospher PFAS 150 x 3 mm (P/N 583157415)

Eluent : Gradient Program
A: 20 mM triethanolamine in water, adjusted to pH 8 with acetic acid
B: 20 mM triethanolamine in acetonitrile, same amount of acetic acid added as in A
0 min 10 % B, 1 min 40 % B, 6,5 min 90 % B, 9 min 90 % B, 10 min 10 % B
Flow Rate: 0,5 mL/min
Detection: ESI–-MS

More information on separation and MS conditions in our application 125.

Columns

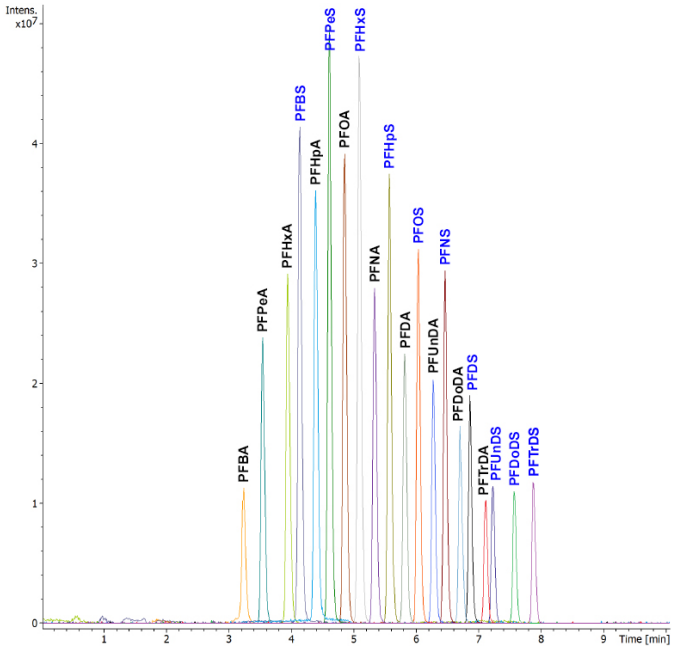
150 x 3 mm	P/N New Length x ID 150x3 mm	P/N Refill Length x ID 150x3 mm
Multospher PFAS	583157415	530157415

Delay Columns

60 x 3 mm	P/N New Length x ID 60x3 mm	P/N Refill Length x ID 60x3 mm
Multospher PFAS	583157406	530157406

Precolumn Cartridges (Price Group IV)

10 x 3 mm	P/N New Length x ID 10x3 mm	P/N Refill Length x ID 10x3 mm
Multospher PFAS	558305-1574	5585306-1574



Cartridge Head 10 mm
P/N 424267

Syringe L-MARK 25 µL FN, PE-HD (22s/51mm/b), for PFAS analysis, fluorine-free
P/N 060LMK.2620518

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Product Information

LC-PFAS-CS-E

August 2025

SPE Cartridge BEKOlut PFAS WAX Volume: 6 mL Content: 150 mg, PCK/30, for PFAS enrichment
P/N 472053

Screw Cap G 9-L-Blue/Sil-PE from PP, Sealing Disk: Silicone/white with PE/transparent, 1.0 mm, fluorine-free, PCK/100
P/N 301394-BLAU

Screw Cap G 9-L-Blue/Sil-PE, slotted, from PP, Sealing Disk: Silicone/white with PE/transparent, 1.0 mm, fluorine-free, PCK/100
P/N 301394-B/GS

Short Neck Screw Cap Vial G 1-LF+FM, Amber, Volume: 1.5 mL, Thread: 9 mm, Vial Height x OD: 32.0 x 11.5 mm from Glass of 1st Hydrolytic Grade acc. to DIN ISO 719, PCK/100, suitable for screw caps shown above
P/N 301001

PE Tubing, ID x OD: 1.5 mm x 3.0 mm, 5 m/PCK, fluorine-free solvent supply tubing
P/N 087222725

Solvent Filter, fluorine-free
P/N 052A-302

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