

All dimensions and lengths available for micro bore 1.0 mm, semi-preparative, preparative, specialty sizes, and threaded modular column, please refer to page 5.

FluoroSep-RP Octyl (FO) and FluoroSep-RP Propyl (FP)

- High resolution performance for difficult separations
- Durable over a wide range of pH
- FO provides a different interaction than hydrocarbon n-octyl
- FP is exceptional for protein and peptide separations

FluoroSep-RP Octyl (FO)

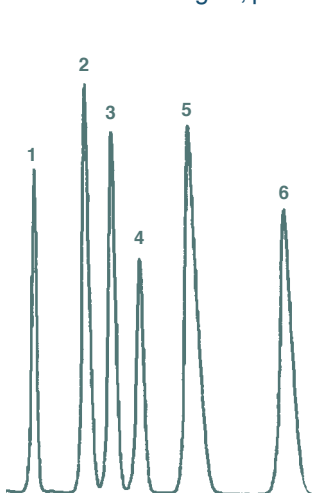
FluoroSep-RP Octyl (FO) contains monomerically bonded perfluorooctyl groups. The fluorinated octyl has retention similar to that of standard C8 phases, but with very remarkable selectivity for the most demanding separations, including enhanced selectivity for halogenated compounds.

FluoroSep-RP Octyl (FO): pore size = 60° A; surface area = 450 g²/m; pH range = 2-8.

FluoroSep-RP Propyl (FP)

FluoroSep-RP Propyl (FP) contains monomerically bonded perfluoropropyl groups. FP is high efficiency short chain phase used for the separation of proteins, peptides, and other related compounds of medicinal/biological interest.

FluoroSep-RP Propyl (FP): pore size = 300° A; surface area = 120 g²/m; pH range = 2-8.

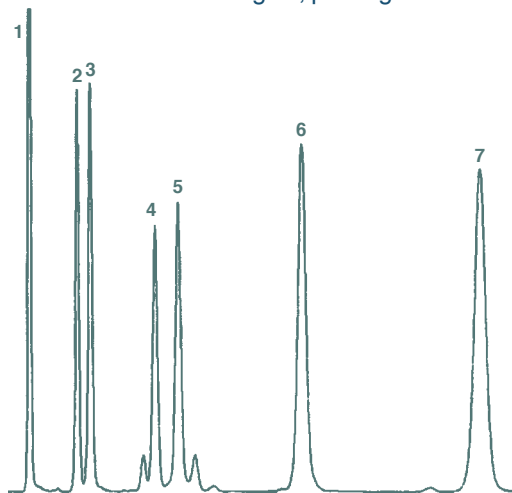


Difluorophenol

Column: FluoroSep Octyl 5 μ 4.6 mm x 15 cm
75/25 Water/Acetonitrile

25 mM Acetate buffer, pH = 4.3

1. 2,6-Difluorophenol
2. 2,4-Difluorophenol
3. 2,5-Difluorophenol
4. 2,3-Difluorophenol
5. 3,4-Difluorophenol
6. 3,5-Difluorophenol



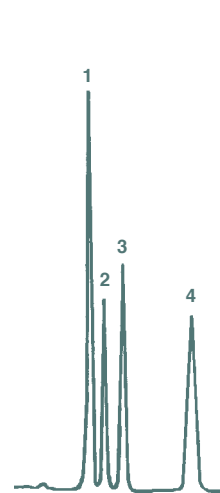
Phenoxyacid Herbicides

Column: FluoroSep Octyl 5 μ 4.6 mm x 15 cm
65/35 Water/Acetonitrile

25 mM Phosphate pH = 3

25 mM Sodium Perchlorate

1. Phenoxyacetic acid
2. o-chlorophenoxyacetic acid
3. p-chlorophenoxyacetic acid
4. 2,3-dichlorophenoxyacetic acid
5. 2,4-dichlorophenoxyacetic acid
6. 2,4,5-trichlorophenoxy acetic acid
7. 2,4,5-trichlorophenoxypropionic



Fluoroaromatics

Column: 30 cm x 4.6 mm
Packing: FluoroSep-RP FO

Mobile phase: 60% Methanol, 40% Water
Flow rate: 2 mL/min.

1. Dinitrofluorenzene
2. Benzene
3. Fluoronaphthalene
4. 3-Fluoro-4-Nitrotoluene

Description	Particle Size (μ)	Length (mm)	Standard-bore P/N (4.6 mm)	Standard-bore P/N (4.0 mm)	Small-bore P/N (3.2 mm)	Small-bore P/N (2.0 mm)
Perfluorooctyl	5	50	115221-FO	114221-FO	11d221-FO	112221-FO
Perfluorooctyl	5	100	125221-FO	124221-FO	12d221-FO	122221-FO
Perfluorooctyl	5	150	135221-FO	134221-FO	13d221-FO	132221-FO
Perfluorooctyl	5	250	155221-FO	154221-FO	15d221-FO	152221-FO
Perfluoropropyl	5	50	115211-FP	114211-FP	11d211-FP	112211-FP
Perfluoropropyl	5	100	125211-FP	124211-FP	12d211-FP	122211-FP
Perfluoropropyl	5	150	135211-FP	134211-FP	13d211-FP	132211-FP
Perfluoropropyl	5	250	155211-FP	154211-FP	15d211-FP	152211-FP

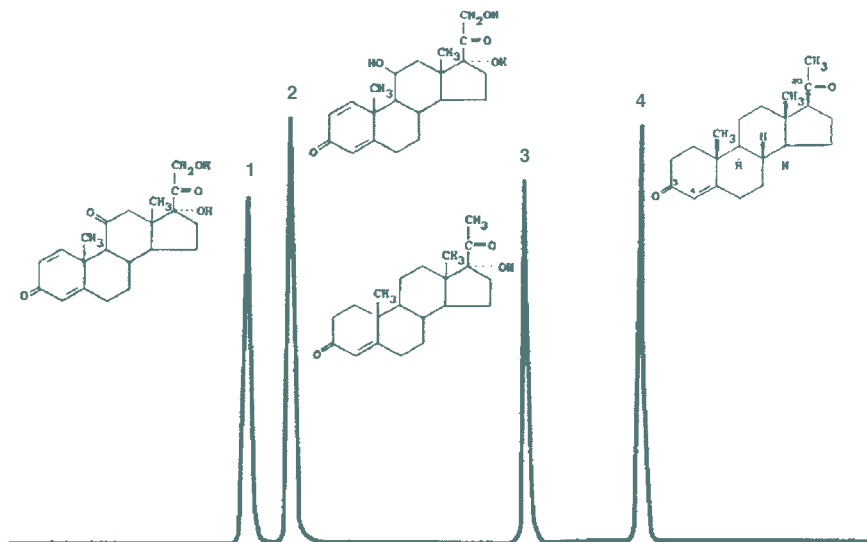
FluoroSep-RP Phenyl (FSP)

- High resolution performance for difficult separations
- Unique reverse phase interaction
- Durable over a wide range of pH and temperatures
- High quality alternative to Phenyl columns
- Available in 3 micron particles

FluoroSep-RP Phenyl (FSP) contains monomerically bonded pentafluorophenyl groups. The pentafluorophenyl groups interact with analytes via pi-pi electron retention process. This phase is useful for the separation of halogen containing compounds, aromatics, conjugated systems, and epimers. These electron interactions are found in many natural product mixtures. The pentafluorophenyl group is bound to the same ultra high purity silica as we use in Chromegabond WR. Chromegabond FSP is considerably more stable than Phenyl columns under acidic conditions. FSP is available in 3 and 5 micron particle sizes.

FluoroSep-RP Phenyl (FSP):

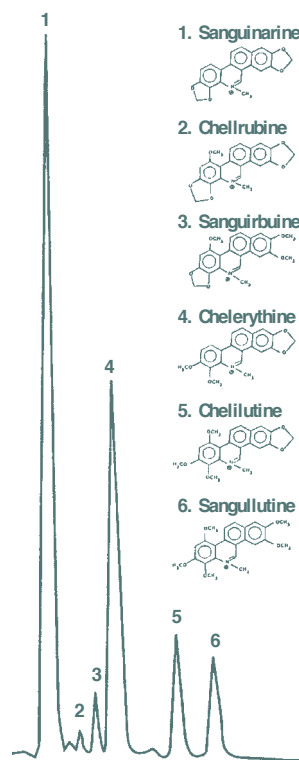
pore size = 60° A;
 surface area = 350 g²/m;
 FSP/HS surface area = 450 g²/m;
 pH range = 2-8



Steroids

Column: FluoroSep-RP Phenyl (FSP) 5 μ 60 A 25 cm x 4.6 mm
 Mobile phase: Acetonitrile:Water Gradient 40-80% Acetonitrile, 0-6 min. 2 min. hold
 Flow rate: 1 mL/min.
 Pressure: 96 bar
 Detection: UV @ 254 nm

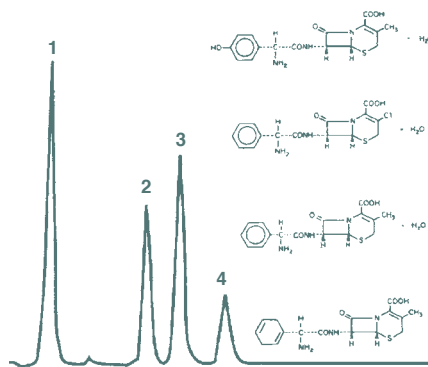
1. Prednisone	3. a-hydroxyprogesterone
2. Prednisolone	4. Progesterone



Blood Root Extract

Column: FluoroSep-RP Phenyl 5 μ 60° A, 25 cm x 4.6 mm
 Mobile phase: 5545 0.1% H₃PO₄/CH₃CN
 Flow rate: 2 mL/min.
 Pressure: 205 bar
 Column temperature: 23°C
 Detection: 280 nm x 0.2
 Injection volume: 20 uL

- | | |
|-----------------|-----------------|
| 1. Sanguinarine | 4. Chelerythine |
| 2. Chellrubine | 5. Chelilutine |
| 3. Sanguirbuine | 6. Sangulutine |



Cephalosporin Antibiotics

Column: FluoroSep-RP Phenyl (FSP) 5 μ 60° A, 25 cm x 4.6 mm
 Mobile phase: Acetonitrile: pH 4 acetate buffer 12:8
 Flow rate: 1 mL/min.
 Pressure: 103 bar
 Detection: UV @ 260 nm

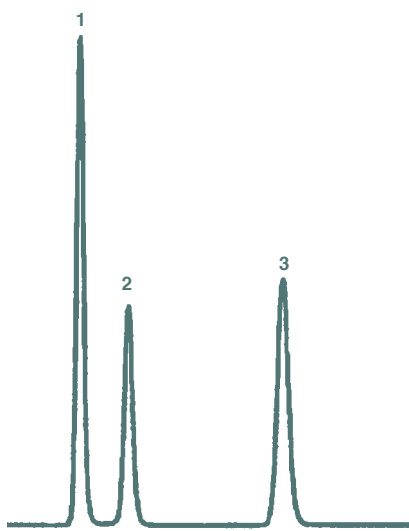
1. Cefadroxil	3. Cephalixin
2. Cefaclor	4. Cephadrine

FluoroSep-RP Phenyl (FSP)



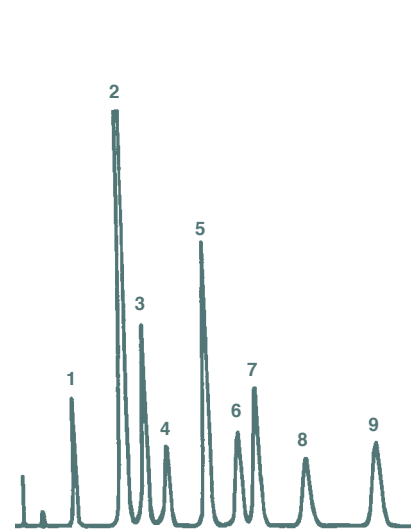
Uracil and Fluorouracil

Column: FluoroSep Phenyl (FSP)
 150 x 4.6 mm 3 μ
 Eluent: 90% Water/10% Acetonitrile 20 nm
 Potassium Phosphate, pH = 7.0
 Flow rate: 1 mL/min.
 Detection: UV @ 254 nm
 1. Uracil
 2. 5-fluorouracil
 3. Florafur



Nitroaromatic Compounds

Column: FluoroSep-RP Phenyl (FSP) 150 x 4.6 mm
 Eluent: 70:30 Methanol:Water
 Flow rate: 1 mL/min.
 Detection: UV @ 254 nm
 1. Nitrobenzene
 2. 2,6 Dinitrotoluene
 3. 2,4 Dinitrotoluene



Vanillin Analogs

Column: 15 cm x 4.6 mm
 Packing: FluoroSep-RP Phenyl (FSP) 3 μ
 Mobile phase: 35/65 Methanol/0.1% H₃PO₄
 Flow rate: 1 mL/min.
 Detection: 254 nm
 Temperature: 25°C
 1. Vanillyl Alcohol
 2. Vanillic Acid
 3. p-Hydroxybenzoic Acid
 4. Syringic Acid
 5. Vanillin
 6. Syringaldehyde
 7. Acetovanillone
 8. Acetosyringone
 9. Ethyl Vanillin

Description	Particle Size (μ)	Length (mm)	Standard-bore P/N (4.6 mm)	Standard-bore P/N (4.0 mm)	Small-bore P/N (3.2 mm)	Small-bore P/N (2.0 mm)
Perfluorophenyl	3	50	115121-FSP	114121-FSP	11d121-FSP	112121-FSP
Perfluorophenyl	3	100	125121-FSP	124121-FSP	12d121-FSP	122121-FSP
Perfluorophenyl	3	150	135121-FSP	134121-FSP	13d121-FSP	132121-FSP
Perfluorophenyl	5	50	115221-FSP	114221-FSP	11d221-FSP	112221-FSP
Perfluorophenyl	5	100	125221-FSP	124221-FSP	12d221-FSP	122221-FSP
Perfluorophenyl	5	150	135221-FSP	134221-FSP	13d221-FSP	132221-FSP
Perfluorophenyl	5	250	155221-FSP	154221-FSP	15d221-FSP	152221-FSP
Perfluorophenyl HS	5	50	115221-FSP/HS	114221-FSP/HS	11d121-FSP/HS	112121-FSP/HS
Perfluorophenyl HS	5	100	125221-FSP/HS	124221-FSP/HS	12d121-FSP/HS	122121-FSP/HS
Perfluorophenyl HS	5	150	135221-FSP/HS	134221-FSP/HS	13d121-FSP/HS	132121-FSP/HS
Perfluorophenyl HS	5	250	155221-FSP/HS	154221-FSP/HS	15d221-FSP/HS	152221-FSP/HS