

APPLICATION NEWS

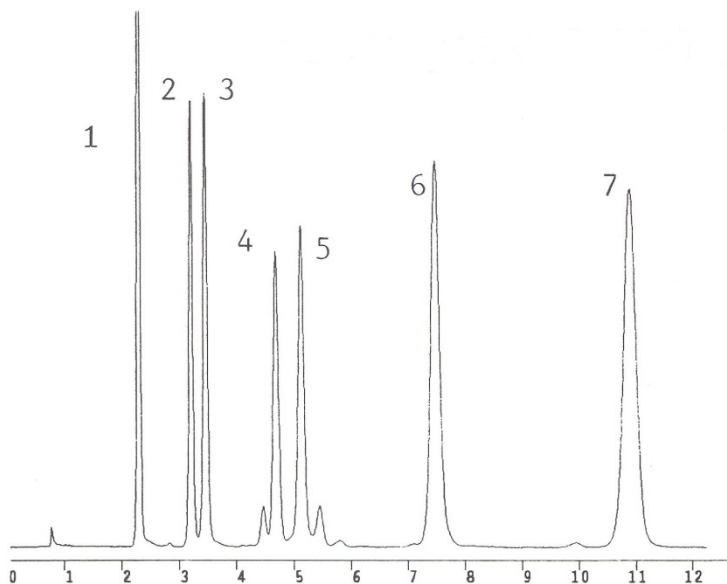
FluoroSep-RP Octyl

Unique Reverse Phase Interaction – FluoroSep-RP Octyl contains bonded perfluorooctyl groups.

The ES Industries FluoroSep-RP Octyl columns were designed to separate closely related structural isomers. FluoroSep-RP columns resolve many compounds of pharmaceutical and agricultural interest, especially halogenated molecules. The perfluorinated stationary phase is less hydrophobic than a C8 or C18, with a unique selectivity to achieve difficult separations with simple isocratic mobile phases. The examples below demonstrate the utility of these new FluoroSep Reverse Phase Packings.

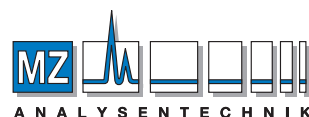
Phenoxyacid Herbicides

FluoroSep-RP Octyl 5u 15cm X 4.6mm
Catalog # 135211-FO



65/35 Water/Acetonitrile
25mM Phosphate pH = 3
25mM 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-trichlorophenoxyacetic acid
7. 2,4,5-trichlorophenoxypropionic acid

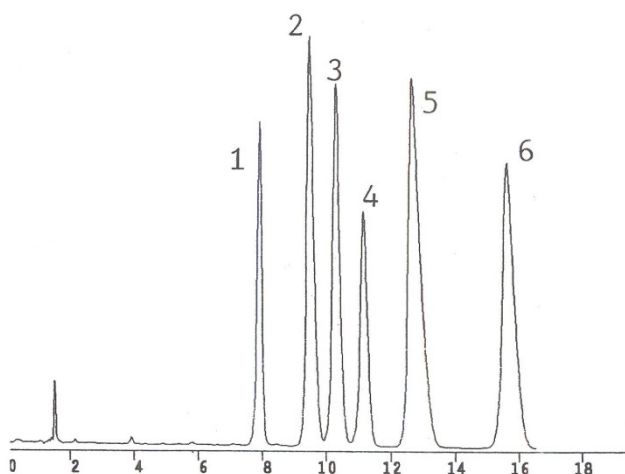


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Isomeric Difluorophenols

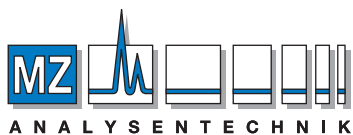
FluroSep-RP Octyl 5u 15cm X 4.6mm
Catalog # 135211-FO



75/25 Water/Acetonitrile
25mM Acetate buffer, pH=4.3

Complete Resolution of all six isomers of Difluorophenol

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



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