

Hamilton Reversed Phase Columns

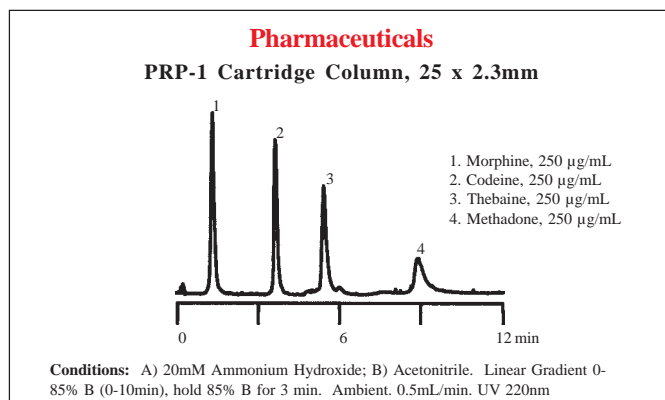
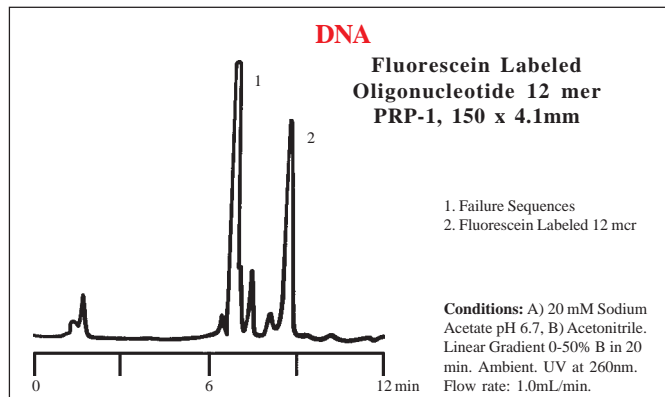
PRP-1

- 100Å pore sized resins designed for general, reversed phase separation modes
- pH stability of 1 to 13 allows the separation of biological samples in their natural state
- Excellent sample recoveries due to the lack of acidic silanol groups
- Superior column-to-column and batch-to-batch reproducibility

PRP-1 reversed phase columns are an excellent alternative to shorter lifetime, silica based HPLC columns. This is particularly true when analyses are run under very acidic (pH 1 to 1.9) or basic (pH 8 to 13) conditions. Other separations benefitting from PRP-1, polymeric columns include: labile or reactive samples, aqueous purifications comprising 80 to 100% water, and sample matrices requiring ion pair reagents.

PRP-1 columns exhibit excellent sample recovery characteristics due to the lack of any acidic silanol groups on the polymer; as are present on silica based materials, such as C8 and C18 columns. The purification of protected oligonucleotides demonstrates the enhanced recoveries possible. Where C18 columns recover only 50 to 80% of oligonucleotide, PRP-1 columns provide recoveries greater than 95%!

Applications requiring a high degree of column-to-column and batch-to-batch consistency can reproducibly be run on PRP-1 columns. The integral reversed phase characteristics of the poly(styrene-divinyl)benzene support material obviates the need for special coating techniques. Since there is no stationary phase to hydrolyze, the column maintains its performance longer than silica based columns.



PRP-1 Analytical Columns

Cat. No.	Description
79804	3µm, 4.1 x 50mm
79805	3µm, 4.1 x 100mm
79806	3µm, 4.1 x 150mm
79443	5µm, 4.1 x 50mm
79479	5µm, 4.1 x 100mm
79444	5µm, 4.1 x 150mm
79558	5µm, 4.6 x 100mm PEEK
79423	5µm, 4.6 x 150mm PEEK
79529	7µm, 4.1 x 150mm
79422	7µm, 4.1 x 250mm
79380	7µm, 4.6 x 250mm PEEK
79565	10µm, 4.1 x 100mm
79425	10µm, 4.1 x 150mm
79427	10µm, 4.1 x 250mm
79351	10µm, 4.6 x 150mm PEEK
79381	10µm, 4.6 x 250mm PEEK

Microbore

79366	5µm, 2.1 x 150mm
79554	7µm, 2.1 x 50mm
79390	7µm, 2.1 x 250mm
79480	10µm, 2.1 x 150mm
79391	10µm, 2.1 x 250mm

Guard Columns

79447	Starter kit (one holder and two cartridges)
79445	Replacement cartridges, 5/pk
79317	PEEK Starter kit (one holder and two cartridges)
79318	PEEK Replacement cartridges, 5/pk

