

Reversed Phase HPLC Columns

PRP®-h1

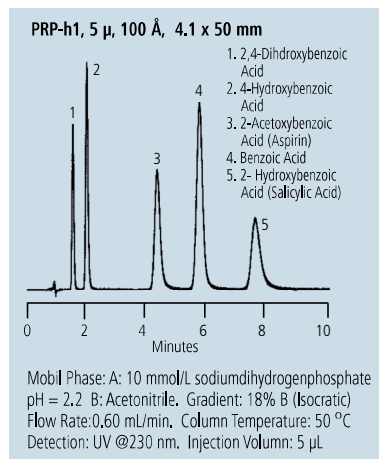
Polymeric 100 Å columns for reversed phase, LC/MS applications.

- pH stable from 1 to 13.
- Robust (virtually any HPLC solvent can be used).
- Low bleed (ideal for mass spectrometry).

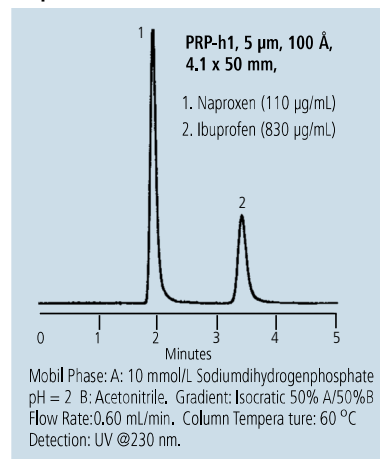


- One particle size: 5 µm.
- Analytical and semiprep/preparative guard columns.
- Available in stainless steel and PEEK hardware.

Benzoic Acid and its Derivatives



Naproxen Sodium



Ordering Information

HPLC Columns

I.D.	50 mm	100 mm	150 mm	250 mm
2.1 mm		79250	79249	
4.6 mm	79251	79252	79253	79256
10 mm		79255	79266	
100 mm				79523

Analytical Guard Columns

	For Steel Columns*
Starter Kit (1 holder, 2 cartridges)	79257
Replacement Cartridges (5/pk)	79258

* Analytical guard column for steel columns is 2.3 x 20 mm

Semiprep/Preparative Guard Column

	For Steel Columns**
Starter Kit (1 holder, 1 cartridge)	79275
Replacement Cartridges (2/pk)	79276

** Semiprep/preparative guard column for steel columns is 4.6 x 20 mm

If you don't see the column dimensions you need for any of our stationary phases, Hamilton can make a custom column for you! Contact us for details on how to order.

PRP-h5 Reversed Phase HPLC Columns

Polymeric 300 Å columns for oligonucleotide purification and protein separations.

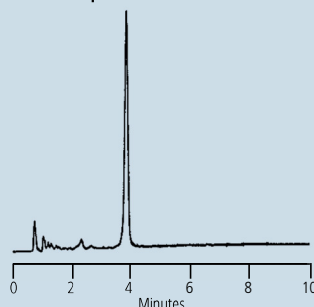
- pH stable from 1 to 13.
- Robust (virtually any HPLC solvent can be used).
- Hydrophilic polymer structure delivers faster oligonucleotide purification.



- One particle size: 5 µm.
- Analytical and semiprep/preparative guard columns.
- Available in stainless steel and PEEK hardware.

21-mer Oligonucleotide Purification

PRP-h5, 5 µ, 300 Å, 4.1 x 50 mm



Mobile phase: A: 0.1 mol/L TEAA, pH = 7 B: 0.1 mol/L TEAA, pH = 7, 25% Acetonitrile
Gradient: 30-80 %B in 15 min. Flow Rate: 0.60 mL/min
Column Temp: 60 °C Detection: UV @ 260 nm

Ordering Information

HPLC Columns

I.D.	50 mm	100 mm	150 mm	250 mm
2.1 mm		79270	79271	
4.6 mm	79261	79262	79272	79273
10 mm		79263	79274	

Visit our HPLC Application Index at
<http://www.hamiltoncompany.com/HPLC/applicationIndex.php>
 for a complete list of compounds that have been separated on our columns.

Analytical Guard Columns

	For Steel Columns*
Starter Kit (1 holder, 2 cartridges)	79267
Replacement Cartridges (5/pk)	79268

* Analytical guard column for steel columns is 2.3 x 20 mm

Semiprep/Preparative Guard Column

	For Steel Columns**
Starter Kits (1 holder, 1 cartridge)	79277
Replacement Cartridges (2/pk)	79278

** Semiprep/preparative guard column for steel columns is 4.6 x 20 mm

PRP-1 Reversed Phase HPLC Columns

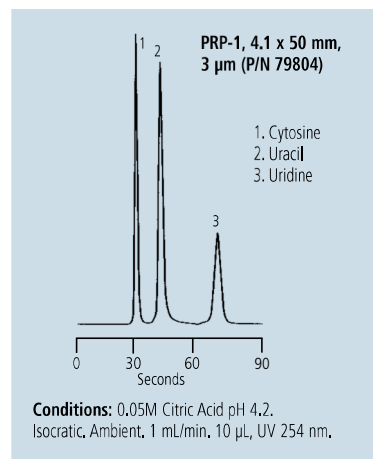
Polymeric 100 Å columns for general reversed phase separations.

- pH stable from 1 to 13.
- Better sample recovery than silica-based columns (there are no silanol groups).
- Excellent durability (stable to any concentration of water or organic solvent).

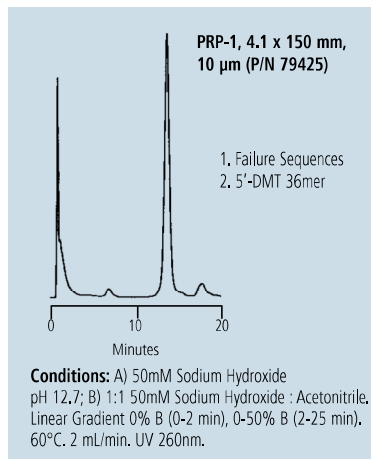


- Five particle sizes: 5, 7, 10, 12-20 and 30-50 μm .
- Analytical and semiprep/preparative guard columns.
- Available in stainless steel and PEEK hardware.

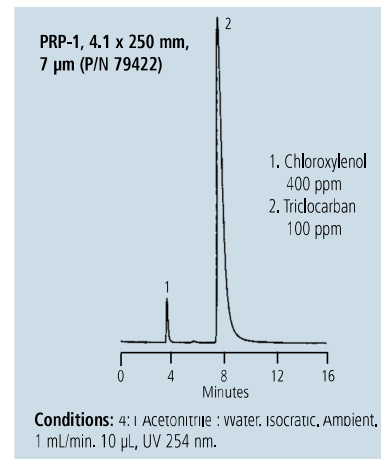
Small Molecules



DNA with Secondary Structure

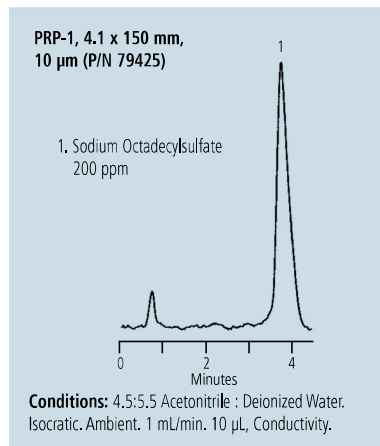


Biocides found in Soap

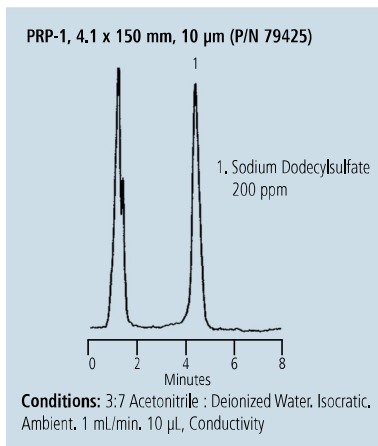


PRP-1 Reversed Phase HPLC Columns

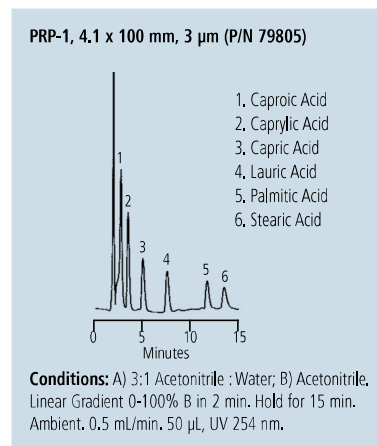
Surfactant



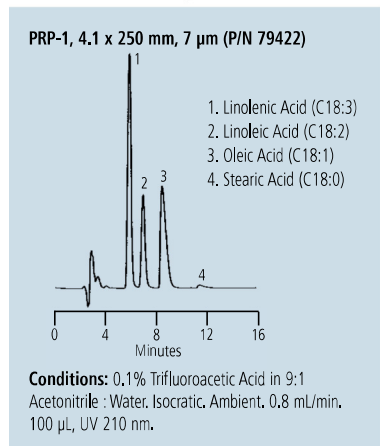
Surfactant



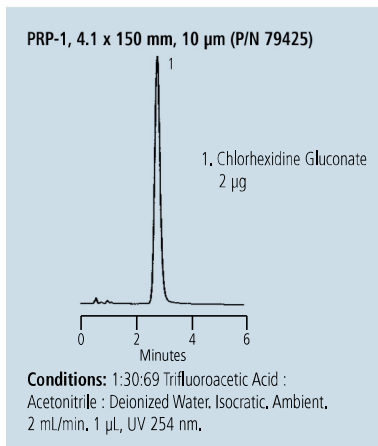
Fatty Acids



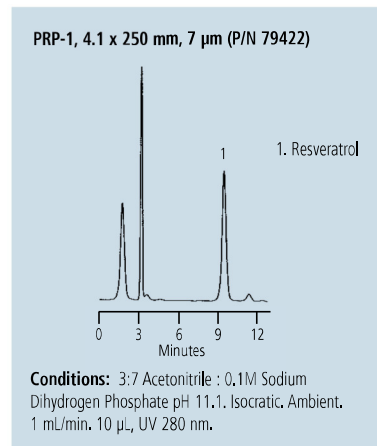
Isomeric C18 Fatty Acids-



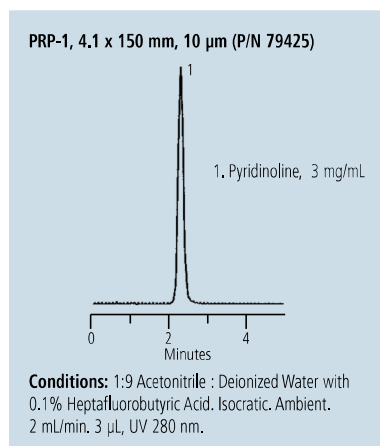
Chlorhexidine Gluconate



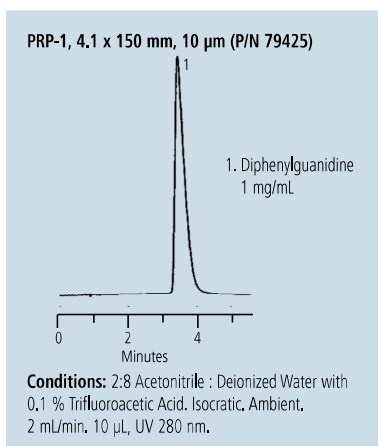
Resveratrol



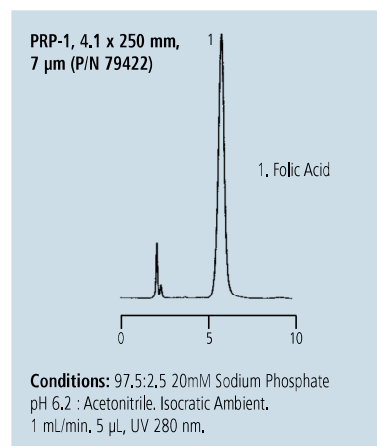
Pyridinoline



Diphenylguanidine

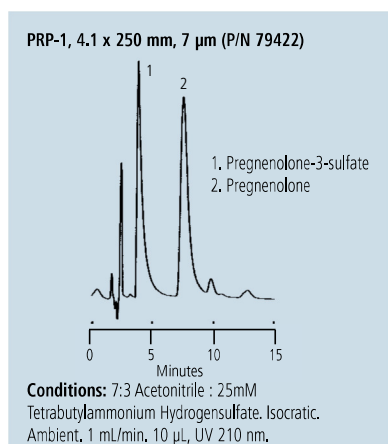


Folic Acid

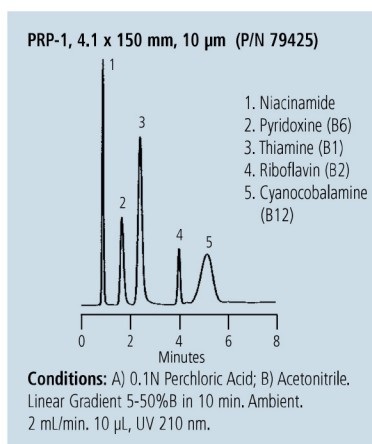


PRP-1 Reversed Phase HPLC Columns

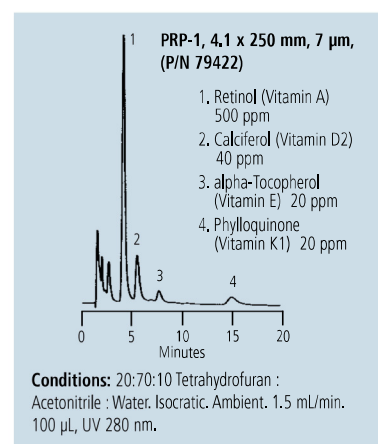
Pregnenolone and Pregnenolone-3-sulfate



Water Soluble Vitamins



Fat Soluble Vitamins



Ordering Information

HPLC Columns

I.D. x Length	5 μ m	7 μ m	10 μ m	12-20 μ m
1.0 x 50 mm	79751	79755		
1.0 x 150 mm	79753			
1.0 x 250 mm	79754			
2.1 x 50 mm		79554		
2.1 x 100 mm	79790			
2.1 x 150 mm	79366		79480	
2.1 x 250 mm		79390	79391	
2.3 x 25 mm	79789**			
4.1 x 50 mm	79443			
4.1 x 100 mm	79479			
4.1 x 150 mm	79444	79529	79425	
4.1 x 250 mm	79820	79422	79427	79358
4.6 x 50 mm*	79850			79874
4.6 x 100 mm*	79558			
4.6 x 150 mm*	79423		79351	

* PEEK hardware

** Cartridge Column, Cartridge Holder P/N 32908 must be purchased separately.

I.D. x Length	5 μ m	7 μ m	10 μ m	12-20 μ m	30-50 μ m
4.6 x 250 mm*	79571	79380	79381		79848
7.0 x 100 mm			79495	79713	
7.0 x 305 mm	79795	79545	79426		
10.0 x 50 mm		79367			
10.0 x 100 mm	79355		79499		
10.0 x 150 mm			79349		
10.0 x 250 mm		79531	79496		
21.5 x 100 mm		79791			
21.5 x 250 mm		79352	79478	79428	
50.8 x 250 mm			79567	79493	
101.6 x 250 mm				79525	

Analytical Guard Columns	For Steel Columns***	For PEEK Columns****
Starter Kits (1 holder, 2 cartridges)	79447	79317
Replacement Cartridges (5/pk)	79445	79318

*** Analytical guard column for steel columns is 2.3 x 20 mm

**** Analytical guard column for PEEK columns is 3.0 x 8.0 mm

Semiprep/Preparative Guard Column	For Steel Columns*****
Starter Kit (1 holder, 1 cartridge)	79121
Replacement Cartridges (2/pk)	79122

***** Semiprep/preparative guard column for steel columns is 4.6 x 20 mm

Visit our HPLC Application Index at
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 for a complete list of compounds that have been separated on our columns.

PRP-3 Reversed Phase HPLC Columns

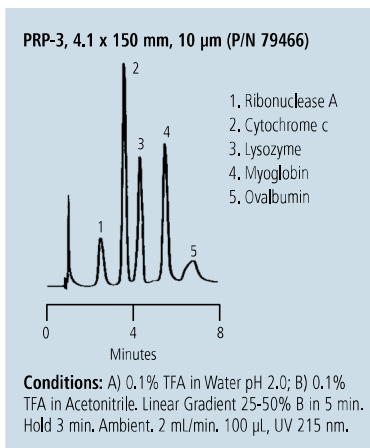
Polymeric 300 Å columns for protein separations.

- pH stable from 1 to 13.
- Better sample recovery than silica-based columns (there are no silanol groups).
- Excellent durability (the support can be cleaned with strong acid or base to remove any sample residue).

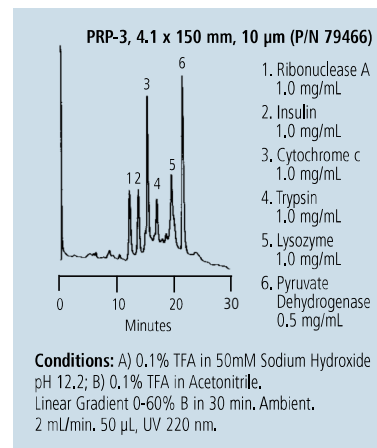


- Two particle sizes: 10 and 12-20 µm.
- Available in stainless steel and PEEK hardware.
- Analytical and semiprep/preparative guard columns.

Proteins



Proteins at pH 12.2



Ordering Information

HPLC Columns		I.D. x Length		10 µm	12-20 µm
I.D. x Length	10 µm				
2.1 x 100 mm	79863	4.6 x 150mm*		79382	
2.1 x 150 mm	79392	4.6 x 250 mm*		79574	
4.1 x 50 mm	79467	7.0 x 305 mm		79468	
4.1 x 150 mm	79466	10.0 x 250 mm		79526	
4.1 x 250 mm	79794	21.5 x 250 mm			79469

* PEEK hardware

Analytical Guard Columns	For Steel Columns**	For PEEK Columns***	Semiprep/Preparative Guard Column	For Steel Columns****
Starter Kits (1 holder, 2 cartridges)	79461	79393	Starter Kit (1 holder, 1 cartridge)	79123
Replacement Cartridges (5/pk)	79454	79395	Replacement Cartridges (2/pk)	79124

** Analytical guard column for steel columns is 2.3 x 20 mm

*** Analytical guard column for PEEK columns is 3.0 x 8.0 mm

**** Semiprep/preparative guard column for steel columns is 4.6 x 20 mm

PRP-Infinity Reversed Phase HPLC Columns

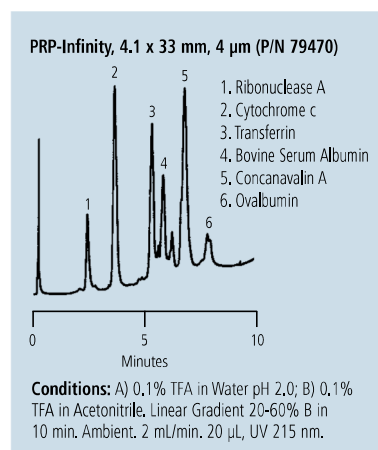
Polymeric nonporous packing for fast gradient separation of large proteins.

- pH stable from 1 to 13.
- Better sample recovery than silica-based columns (there are no silanol groups).
- Excellent durability (the support can be cleaned with strong acid or base to remove any sample residue).

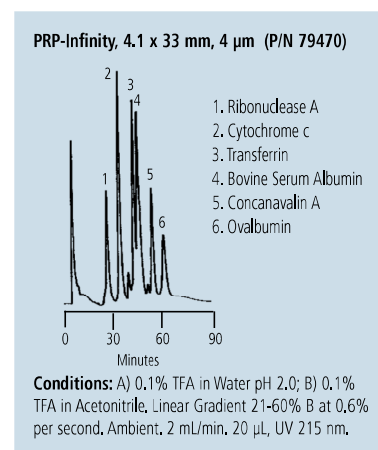


- One particle size: 4 μ m.
- Available in stainless steel and PEEK hardware.

Proteins



Proteins



Ordering Information

HPLC Columns

I.D. x Length	4 μ m
4.1 x 33 mm	79470
4.1 x 50 mm	79533
10.0 x 60 mm	79527

For PRP-Infinity columns an in-line filter is recommended as a guard column is not available.

Visit our HPLC Application Index at
<http://www.hamiltoncompany.com/HPLC/applicationIndex.php>
 for a complete list of compounds that have been separated on our columns.

If you don't see the column dimensions you need for any of our stationary phases, Hamilton can make a custom column for you! Contact us for details on how to order.