

Anion Exchange HPLC Columns

PRP-X100

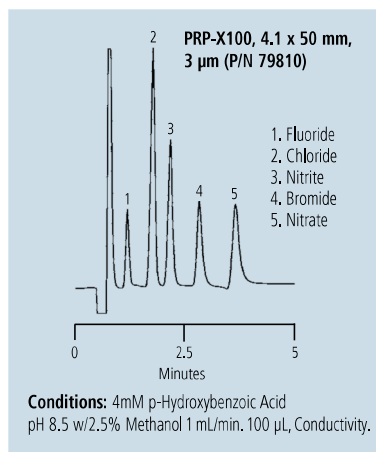
Polymeric anion exchange packings for separation of inorganic and organic anions.

- Easily separate the eight common anions (fluoride through sulfate).
- Good separation of fluoride from the water dip.
- Use with organic solvent from 0 to 100 % for elution of hydrophobic anions or column cleaning.
- pH stable from 1 to 13.
- Use conductivity or UV detection.

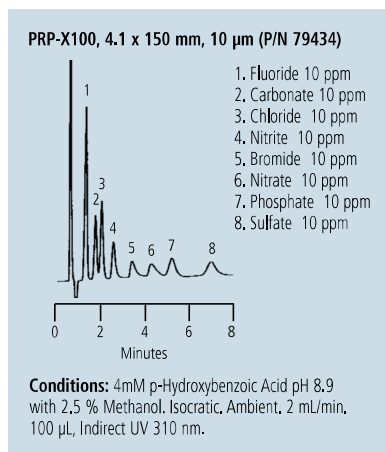


- Three particle sizes: 5, 10 and 12-20 μm .
- Available in stainless steel and PEEK hardware.
- Analytical and semiprep/preparative guard columns.

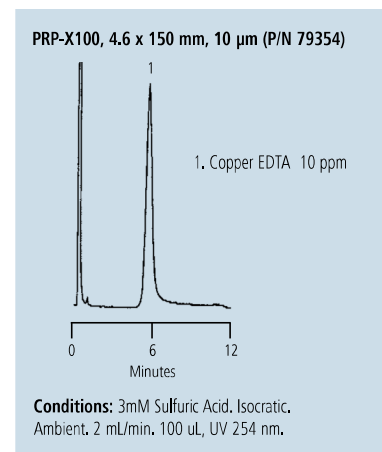
Common Anions



Anions by Indirect UV Detection

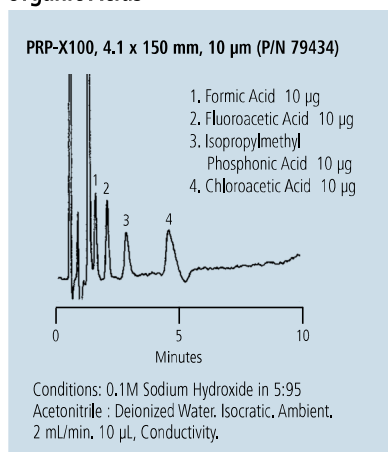


EDTA

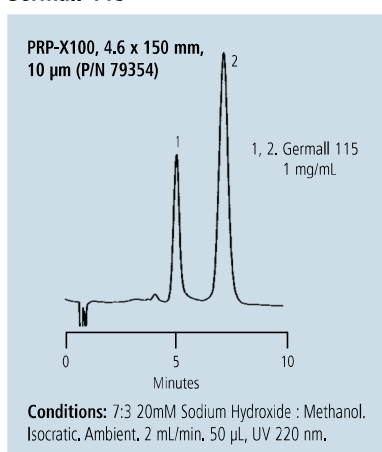


PRP-X100 Anion Exchange HPLC Columns

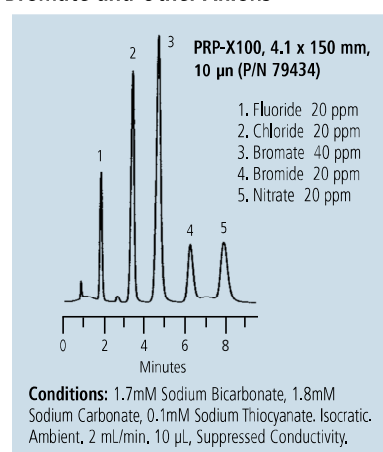
Organic Acids



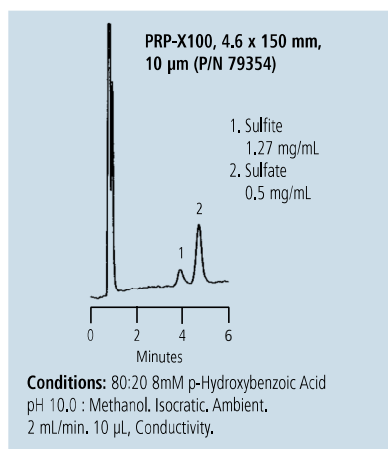
Germall 115



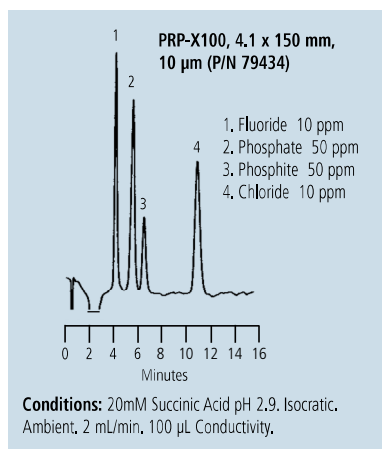
Bromate and Other Anions



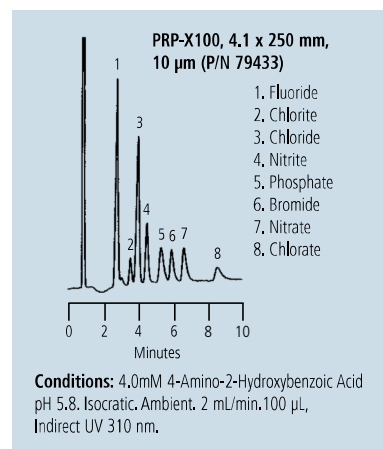
Sulfite and Sulfate



Phosphate and Phosphite



Chlorite and Chlorate



Ordering Information

HPLC Columns

I.D. x Length	5 µm	10 µm
2.1 x 150 mm		79421
2.1 x 150 mm*	79852	
2.1 x 250 mm	79190	79346
4.1 x 50 mm		79365
4.1 x 100 mm	79538	79439
4.1 x 150 mm	79434	

*PEEK hardware

Analytical Guard Columns	For Steel Columns**	For PEEK Columns**
Starter Kits (1 holder, 2 cartridges)	79448	79383
Replacement Cartridges (5/pk)	79446	79385

** 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

I.D. x Length	5 µm	10 µm	12-20 µm
4.1 x 250 mm		79433	
4.6 x 150 mm*	79174	79354	
4.6 x 250 mm*	79181	79455	
10.0 x 150 mm		79715	
21.5 x 100 mm			79543
21.5 x 250 mm		79535	

Semiprep/Preparative Guard Column	For Steel Columns****
Starter Kit (1 holder, 1 cartridge)	79125
Replacement Cartridges (2/pk)	79126

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

PRP-X110 Anion Exchange HPLC Columns

Polymeric anion exchange packings for separation of inorganic and organic anions from 20 ppb to 20 ppm.

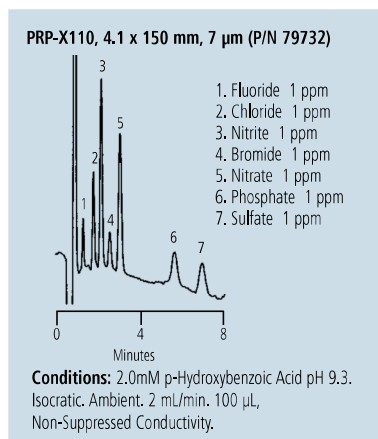
- Good separation of fluoride from the water dip.

- Compatible with conductivity or UV detectors.
- Use with organic solvent up to 100%
- pH stable from 1 to 13.

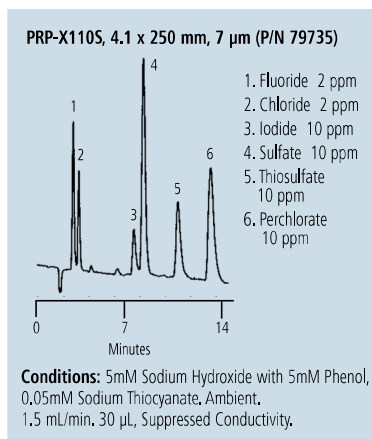


- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.
- Analytical guard columns.

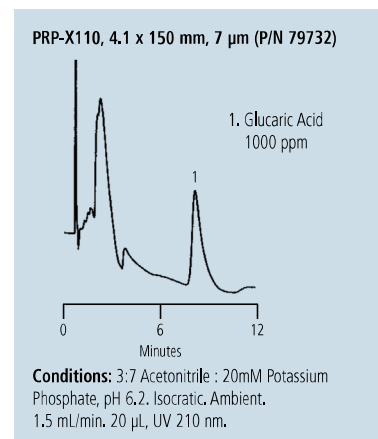
Anions



Polarizable Anions



Glucaric Acid



Ordering Information

HPLC Columns I.D. x Length	PRP-X110 7 μ m	PRP-X110S 7 μ m
1.0 x 50 mm	79775	
1.0 x 100 mm	79776	
2.1 x 100 mm*		79743
2.1 x 150 mm*	79744	
2.1 x 250 mm*	79746	
4.1 x 100 mm		79731
4.1 x 150 mm	79732	79733
4.1 x 250 mm	79734	79735

I.D. x Length	PRP-X110 7 μ m	PRP-X110S 7 μ m
4.6 x 150 mm*	79738	
4.6 x 250 mm*	79740	79741

* PEEK hardware

Analytical Guard Columns	For Steel Columns**	For PEEK Columns**
Starter Kits (1 holder, 2 cartridges)	79726	79727
Replacement Cartridges (5/pk)	79728	79729

** 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

PRP-X500 Anion Exchange HPLC Columns

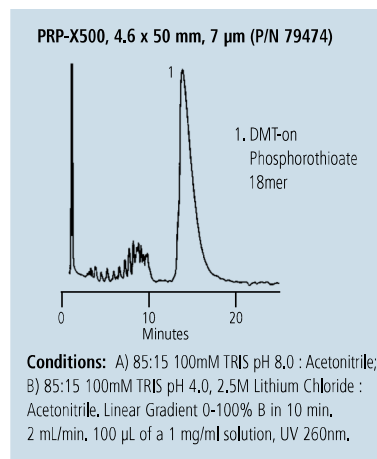
Polymeric strong-base anion exchange packing with limited porosity for separation of proteins.

- Fast separation of large proteins.
- pH stable from 1 to 13.

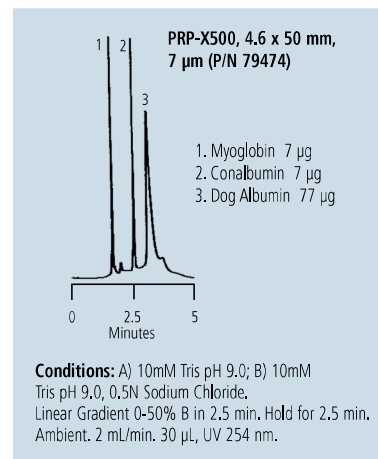


- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.
- Higher sample capacity than nonporous supports.

DMT-on Antisense Phosphorothioate 18mer



Proteins



Ordering Information

HPLC Columns

I.D. x Length	7 μ m
4.6 x 150 mm*	79573

* PEEK hardware

Analytical Guard Column

	For PEEK Columns**
Starter Kit (1 holder, 2 cartridges)	79319
Replacement Cartridges (5/pk)	79320

** Analytical guard column for PEEK columns is 3.0 x 8.0 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-X600 Anion Exchange HPLC Columns

Polymeric weak-base anion exchange packing for gradient separation of proteins and DNA oligomers.

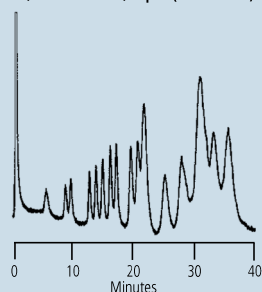
- Limited porosity allows separation of large DNA fragments.
- pH stable from 1 to 13.



- Guard column in PEEK.
- Higher sample capacity than nonporous supports.
- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.

Separation of DNA Fragments

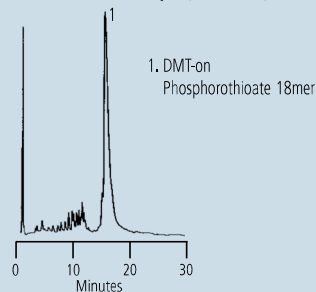
PRP-X600, 4.6 x 50 mm, 7 μ m (P/N 79360)



Conditions: A) 10mM TRIS, 1mM EDTA pH 9.0; B) 1N NaCl in A, Linear Gradient 60-67.5% B in 15 min. 67.5%-75% B (15-45 min.), Ambient. 1 mL/min. 5 μ L, UV 260 nm.

DMT-on Phosphorothioate 18mer

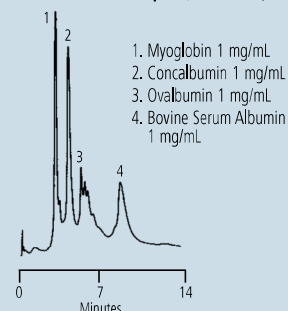
PRP-X600, 4.6 x 50 mm, 7 μ m (P/N 79360)



Conditions: A) 85:15 100mM TRIS pH 8.0 : Acetonitrile; B) 85:15 100mM TRIS pH 4.0, 2.5M Lithium Chloride : Acetonitrile, Linear Gradient 0-100% B in 10 min. 2 mL/min. UV 260 nm.

Proteins

PRP-X600, 4.6 x 50 mm, 7 μ m (P/N 79360)



1. Myoglobin 1 mg/mL
2. Conalbumin 1 mg/mL
3. Ovalbumin 1 mg/mL
4. Bovine Serum Albumin 1 mg/mL
Conditions: A) 20mM TRIS pH 9.0; B) 20mM TRIS, pH 9.0, 1.0M Sodium Chloride, Linear Gradient 0 to 15%B in 10 min. Hold 2 min. 2 mL/min. UV 220nm.

Ordering Information

HPLC Columns

I.D. x Length	7 μ m
4.6 x 50 mm*	79360
4.6 x 250 mm*	79189

* PEEK hardware

Analytical Guard Column

Starter Kit (1 holder, 2 cartridges)	79361
Replacement Cartridges (5/pk)	79362

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

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.

RCX-10 Anion Exchange HPLC Columns

Polymeric anion exchange packing for isocratic or gradient separation of carbohydrates.

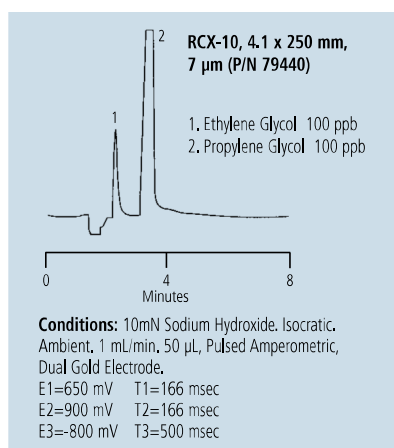
- pH stable from 1 to 13.

- Isocratic separation of mono and disaccharides.
- Gradient separation of oligomers up to DP8.
- Compatible with PAD, conductivity and RI detectors.

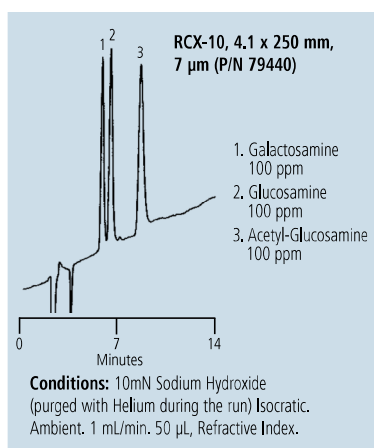


- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.
- Guard columns in stainless steel and PEEK.

Glycols in Water



Acetyl Glucosamine



Artichoke Tubers

RCX-10, 4.1 x 250 mm, 7 μ m (P/N 79440)

1. DP2
2. DP5
3. DP10
4. DP15

Conditions: A) 60mM Sodium Hydroxide; B) 60mM Sodium Hydroxide with 500mM Sodium Acetate. Gradient: 0-100%B in 10 min, 2 mL/min, 20 μ L, Pulsed Amperometric, Dual Gold Electrode
E1=500 mV T1=333 msec
E2=800 mV T2=166 msec
E3=-600 mV T3=499 msec

Ordering Information

HPLC Columns

I.D. x Length	7 μ m
4.1 x 250 mm	79440
4.6 x 250 mm*	79388

* PEEK hardware

Analytical Guard Columns

	For Steel Columns**	For PEEK Columns***
Starter Kits (1 holder, 2 cartridges)	79462	79378
Replacement Cartridges (5/pk)	79463	79379

** 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

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.

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RCX-30 Anion Exchange HPLC Columns

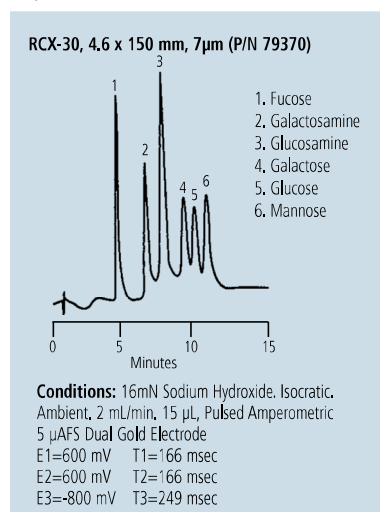
Polymeric anion exchange packing for isocratic or gradient separation of complex carbohydrates.

- pH stable from 1 to 13.
- Isocratic or gradient modes.
- Higher ion exchange capacity support for separation of closely related carbohydrates.
- Compatible with PAD and RI detectors.

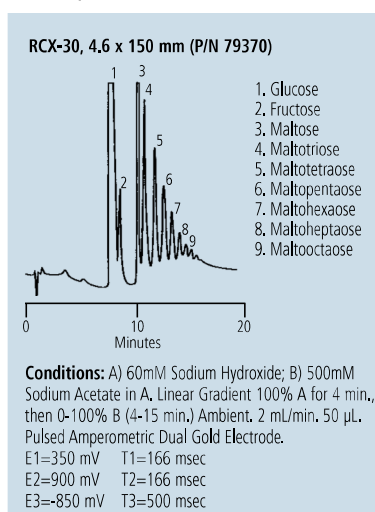


- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.
- Guard column in PEEK.

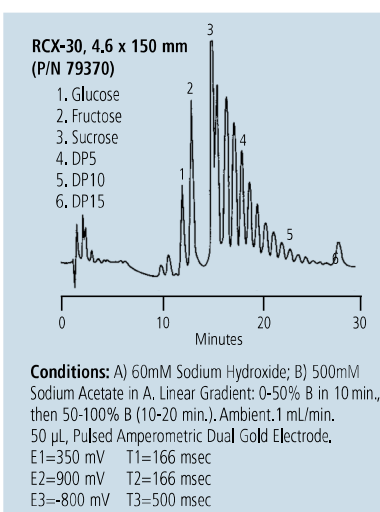
Glycoprotein Monosaccharides



Corn Syrup



Artichoke Tubers



Ordering Information

HPLC Columns

I.D. x Length	7 μ m
4.1 x 250 mm	79803
4.6 x 150 mm*	79370
4.6 x 250 mm*	79877

* PEEK hardware

Analytical Guard Column

	For PEEK Columns**
Starter Kit (1 holder, 2 cartridges)	79371
Replacement Cartridges (5/pk)	79372

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

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.