

Cation Exchange HPLC Columns

PRP-X200

Polymeric cation exchange packing for separation of inorganic cations and organic cations.

- Easily separate mono or divalent cations.
- pH stable from 1 to 13.

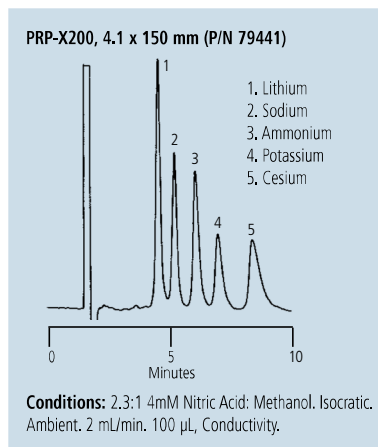
- Use with organic solvent up to 100% for elution of hydrophobic cations and column cleaning.
- Compatible with conductivity and UV detectors.



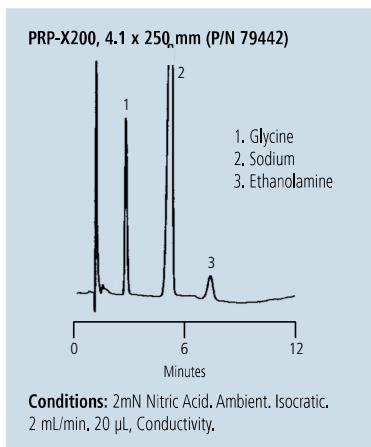
- One particle size: 10 μ m.
- Available in stainless steel and PEEK hardware.

- Analytical and semiprep/preparative guard columns.

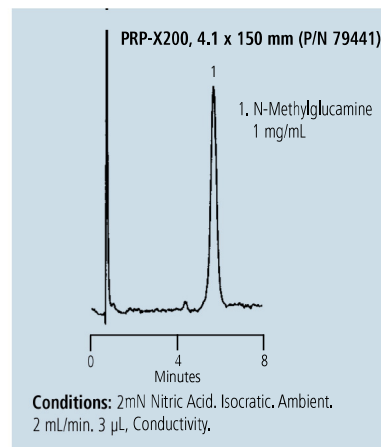
Monovalent Cations



Glycine and Ethanolamine



N-Methylglucamine



Ordering Information

HPLC Columns

I.D. x Length	10 μ m	I.D. x Length	10 μ m
1.0 x 50 mm		4.1 x 250 mm	79442
1.0 x 100 mm		4.6 x 50 mm*	
1.0 x 250 mm		4.6 x 150 mm*	79384
2.1 x 150 mm	79394	4.6 x 250 mm*	79357
4.1 x 100 mm	79363	7.0 x 305 mm	
4.1 x 150 mm	79441	10.0 x 250 mm	

* PEEK hardware

* PEEK hardware

Analytical Guard Columns

Starter Kits (1 holder, 2 cartridges)	79456	79368
Replacement Cartridges (5/pk)	79449	79369

Semiprep/Preparative Guard Column

Starter Kits (1 holder, 1 cartridge)	79127
Replacement Cartridges (2/pk)	79128

** 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

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-X400 Cation Exchange HPLC Columns

Polymeric cation exchange packing for separation of glyphosate and its metabolite in drinking water.

- Faster analysis when compared to competitor's columns.

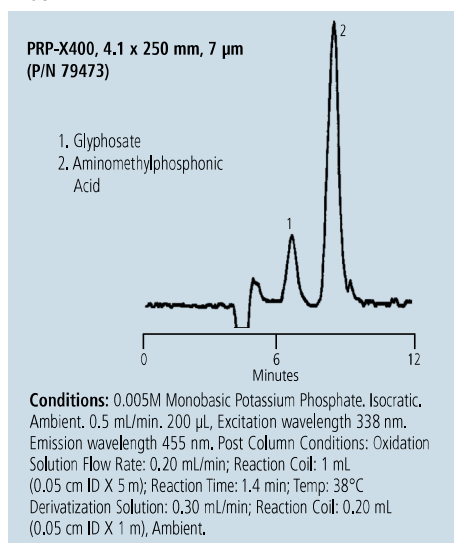
- Detection levels of less than 10 ppb when using the post column, OPA derivatization technique.

- Applicable to other separations, such as inositol and sugar alcohols.

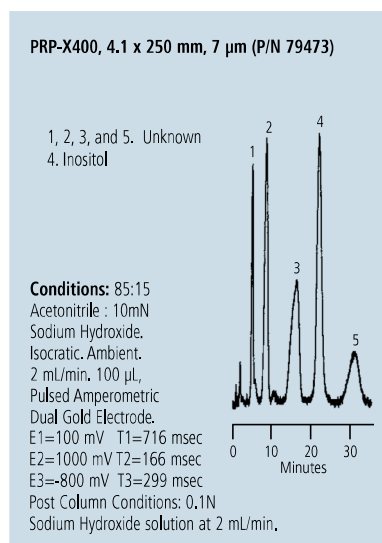


- Two particle sizes: 7 and 12-20 μm .
- Available in stainless steel and PEEK hardware.
- Analytical and semiprep/preparative guard columns.

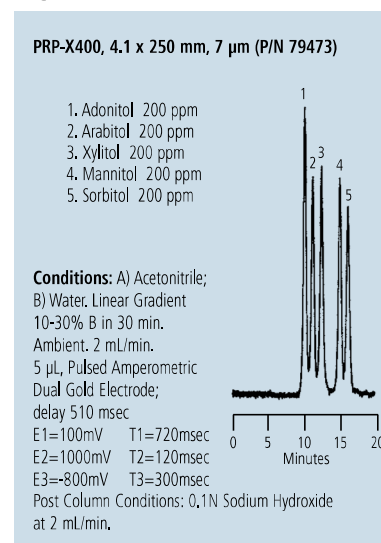
Glyphosate and Metabolite



Inositol in Vitamin Matrix



Sugar Alcohols



Ordering Information

HPLC Columns		
I.D. x Length	7 μm	12-20 μm
2.1 x 250 mm	79398	
4.1 x 150 mm	79717	
4.1 x 250 mm	79473	
4.6 x 250 mm*	79387	

* PEEK hardware

Analytical Guard Column	For PEEK Columns**
Starter Kit (1 holder, 2 cartridges)	79376
Replacement Cartridges (5/pk)	79377
C18 Guard Column for EPA Glyphosate Application	For Steel Columns***
Starter Kit (1 holder, 2 cartridges)	79459
Replacement Cartridges (5/pk)	79452
PRP-X400 Semiprep/Preparative Guard Column	For Steel Columns****
Starter Kit (1 holder, 1 cartridge)	79131
Replacement Cartridges (2/pk)	79132

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

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

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

PRP-X800 Cation Exchange HPLC Columns

Polymeric cation exchange columns for the isocratic separation of mono and divalent cations.

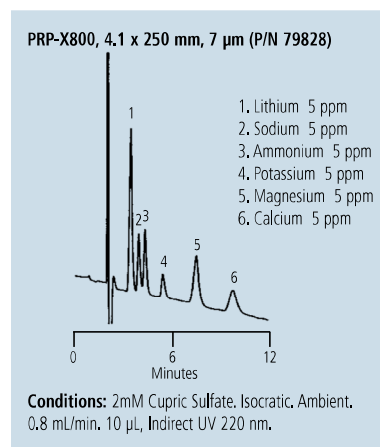
- Isocratic separation of lithium, sodium, ammonium, potassium, magnesium and calcium.

- Gradient separation of transition metals.
- Excellent durability (stable to any concentration of water or organic solvent).

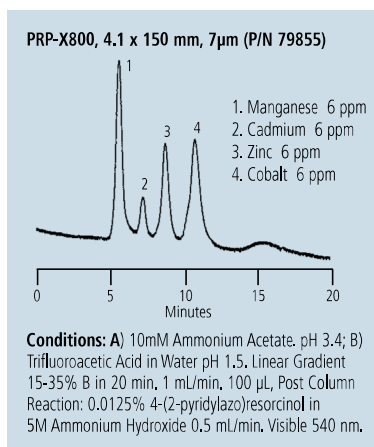


- One particle size: 7 μ m.
- Available in stainless steel and PEEK hardware.
- Guard columns in 316 stainless steel and PEEK.

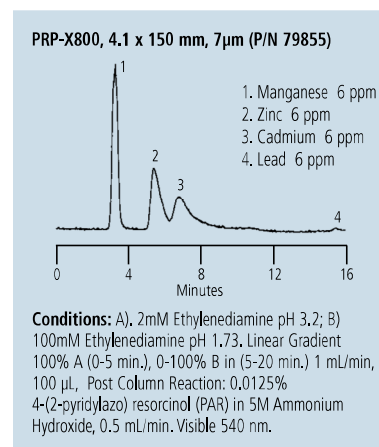
Mono and Divalent Cations



Transition Metals



Transition Metals



Ordering Information

HPLC Columns	
I.D. x Length	7 μ m
4.1 x 150 mm	79855
4.1 x 250 mm	79828

* PEEK hardware

Analytical Guard Columns

Starter Kits (1 holder, 2 cartridges)

Replacement Cartridges (5/pk)

For Steel Columns**

79830

79832

For PEEK Columns***

79831

79833

** 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

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.

HC-40 Cation Exchange HPLC Columns

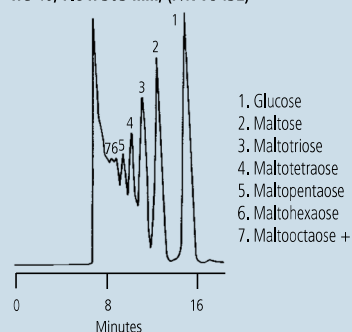
Polymeric 4% cross-linked soft-gel column for cation, ligand exchange separation of carbohydrates.

- Separate oligosaccharides up to DP8.
- Water mobile phase.
- Compatible with RI detectors.
- One particle size: 10 - 15 μm .



Corn Syrup

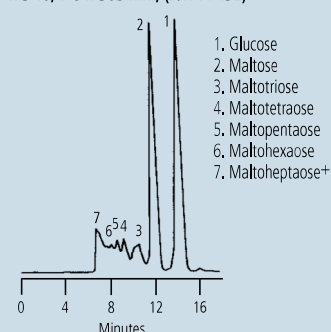
HC-40, 7.8 x 305 mm, (P/N 79432)



Conditions: Water. Isocratic. 80°C. 0.6 mL/min.
12 μL , Refractive Index.

High Conversion Corn Syrup

HC-40, 7.8 x 305 mm, (P/N 79432)



Conditions: Deionized Water. Isocratic. 80°C.
0.6 mL/min. 20 μL , Refractive Index.

Guard Columns

Hydrogen Form Cation Exchange Starter Kit
(1 holder, 1 cartridge)

Hydrogen Form Cation Exchange Replacement
Cartridges (2/pk)

Carbonate Form Anion Exchange Starter Kit
(1 holder, 1 cartridge)

Carbonate Form Anion Exchange Replacement
Cartridges (2/pk)

For Steel Columns*

79133

79134

79866

79865

* HC-40 guard column for steel columns is 4.6 x 20 mm

HC-75 Cation Exchange HPLC Columns

Polymeric 7.5% cross-linked soft-gel columns for cation, ligand exchange separations of carbohydrates.

- Compatible with UV and RI detectors.

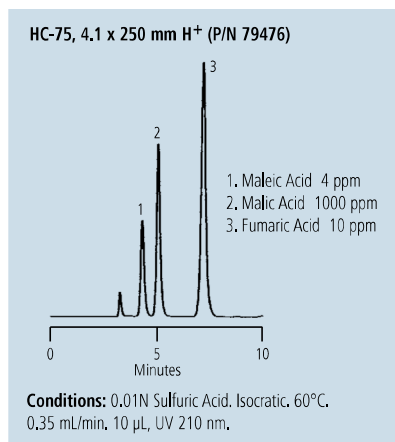
- Hydrogen form columns for USP L17 applications.
- Calcium form columns for USP L19 applications.
- Lead form columns for USP L34 applications.



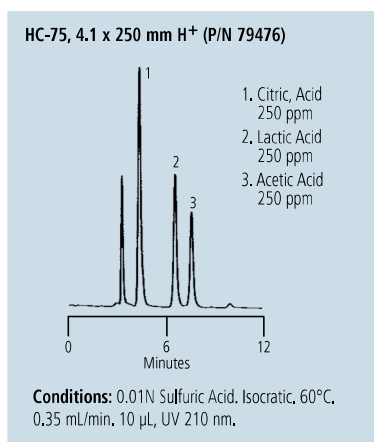
- One particle size: 9 μm .
- Available in stainless steel and PEEK hardware.

- Three forms: calcium, lead and hydrogen.

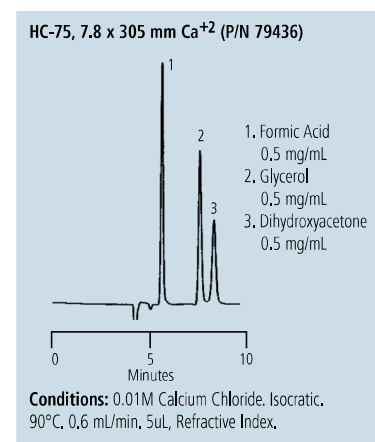
Malic Acid



Citric, Lactic and Acetic Acids



Dihydroxyacetone



Ordering Information

Gel-Type Cation Exchange Columns

I.D. x Length	9 μm , Calcium	9 μm , Lead	9 μm , Hydrogen
4.1 x 250 mm	79431		79476
7.8 x 100 mm			79547
7.8 x 305 mm	79436	79438	79544

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.

Guard Columns

Guard Columns	For Steel Columns*
Hydrogen Form Cation Exchange Starter Kit (1 holder, 1 cartridge)	79133
Hydrogen Form Cation Exchange Replacement Cartridges (2/pk)	79134
Carbonate Form Anion Exchange Starter Kit (1 holder, 1 cartridge)	79866
Carbonate Form Anion Exchange Replacement Cartridges (2/pk)	79865

* HC-75 guard column for steel columns is 4.6 x 20 mm

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