

PRP-X200 Cation Exchange HPLC Column, 4.1 x 250 mm, 10 µm

Specification Sheet (Part/REF # 79442)

PRP-X200



PRP-X200 is a versatile type of cation exchange resin particularly adept at interacting with both inorganic and organic cations, including alkali and alkaline earth metals. It is capable of handling a variety of cations, whether they are monovalent or divalent, providing wide-ranging applications in several scientific and industrial processes.

Product Specifications

Separation Mode	Cation Exchange
Stationary Phase	PRP-X200
Format	HPLC Column
Hardware Inner Diameter	4.1 mm
Hardware Length	250 mm
Particle Size	10 µm
USP Classification	USP L22
Packing Material Type	PSDVB/Sulfonic Acid
Pore Size	100 Å
Particle Surface Area (m ² /cm ³)	450
Pore Volume (cm ³ /g)	0.752
Hardware Material	Stainless Steel
Max Pressure	5,000 psi
Exchange Capacity	35 µeq/gm
Exchange Capacity/Column	0.056 meq/column
Mobile Phase Limits	pH 1-13. 0-100% aqueous, organic modifier
Buffer Strength	0.0-0.5N
Temp Limits	5-60°C
Restoration	Inject several times with 100 µL of 1 N nitric acid
Compound Classification	Organic/Inorganic Cations
UOM	1 EACH

Specifications are subject to change without notice
<https://www.hamiltoncompany.com/hplc-columns/79442>

Spec. Version B