

PRODUCT DATA SHEET

Praesto® SP90

Agarose Highly Cross Linked Strong
Cation Exchanger, 90 µm particle size

PRINCIPAL APPLICATIONS

- Protein purification (20-500 kDa)
- MAb Purification

ADVANTAGES

- Excellent dynamic binding capacities for high-productivity and scalability
- Excellent pressure/flow performance
- High resolution/selectivity
- Excellent chemical and physical stability
- Secure, validated supply and regulatory support

REGULATORY APPROVALS

- Manufactured under GMP conditions

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Highly cross linked agarose
Appearance	Spherical beads
Functional Group	Sulfopropyl
Chemical stability	All commonly used aqueous buffers. 1M NaOH, 8M urea, 6M guanidine hydrochloride, 30% isopropanol and 70% ethanol
Avoid	Oxidising agents, cationic detergents
Ionic capacity - medium	0.11 - 0.18 mmol H ⁺ /ml
Ionic capacity - resin	0.11 - 0.18 mmol/ml
Particle Size - µm	90 µm
Dynamic Binding Capacity (min.) - 6 minutes residence time	50 IgG/ml
Dynamic Binding Capacity (min.)- 3 minutes residence time	50 hlgG/ml
Pressure/flow (min.) - at 3 bar in a 2.6 x 20 cm column (pressure-packed at 4 bar)	800 cm/h
pH stability, CIP (short term)	3 - 14
pH stability, working range	4 - 13
Recommended Storage	4 - 30 °C
Recommended Storage	20% ethanol
Recommended Storage	0.2M sodium acetate



Algeria	India	Mexico	Spain
Australia	Indonesia	Morocco	Taiwan
Bahrain	Israel	New Zealand	Tunisia
Brazil	Italy	Poland	Turkey
Canada	Japan	Romania	UK
China	Jordan	Russia	Ukraine
Czech Republic	Kazakhstan	Singapore	USA
France	Korea	Slovak Republic	Uzbekistan
Germany	Malaysia	South Africa	



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