

Q Captarose high flow

Cat. No. quaternary amine-002B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Designed to meet the demands of modern, large-scale manufacturers Q Captarose's shorter processing times can reduce exposure of the target protein. Strong anion exchanger for high-productivity capture and intermediate purification when high volume throughput is essential. High dynamic binding capacity at high flow raises productivity. High-volume throughput cuts process times. Cost-effective processing with smaller unit operations. Resin fulfills industrial demands for security of supply, robust performance, and regulatory support.
Description	Q Captarose is designed for capture and intermediate purification of proteins from large feed volumes. It is composed of a rigid, high-flow agarose matrix modified with dextran surface extenders and a strong quaternary ammonium (Q) anion exchanger. The combination of high volume throughput and high dynamic binding capacity for Q Captarose raises the productivity in industrial downstream processes.
Chromatography technique	Ion Exchange Chromatography
Chemical stability	Commonly used aqueous buffers, 1 M acetic acid, 1 M NaOH, 8 M urea, 6 M guanidine hydrochloride, 30% isopropanol and 70% ethanol
BioProcess resin	Yes
pH stability, CIP	2–14

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pH stability, operational	2–12
Storage	4 to 30°C, 20% Ethanol
Size	25mL; 100 mL; 1L; 5L; 10L; 60L
Matrix	Highly cross-linked agarose with dextran surface extender
Ionic Exchanger Type	Strong anion exchanger
Ion exchange capacity	0.16-0.22 mmol Cl-/ml medium
Average particle size	~90 µm
Ligand	Quaternary amine
Pressure/Flow Specification	0.3 MPa at 700 cm/h, 1 m diameter column, 20 cm bed height
Pack size	25mL; 100 mL; 1L; 5L; 10L; 60L

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