

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

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