

## Q Captarose high flow

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

### SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | <p>Designed to meet the demands of modern, large-scale manufacturers Q Captarose's shorter processing times can reduce exposure of the target protein.</p> <p>Strong anion exchanger for high-productivity capture and intermediate purification when high volume throughput is essential.</p> <p>High dynamic binding capacity at high flow raises productivity.</p> <p>High-volume throughput cuts process times.</p> <p>Cost-effective processing with smaller unit operations.</p> <p>Resin fulfills industrial demands for security of supply, robust performance, and regulatory support.</p> |
| <b>Description</b>              | <p>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.</p>                                                                                                                                                                             |
| <b>Chromatography technique</b> | Ion Exchange Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Chemical stability</b>       | Commonly used aqueous buffers, 1 M acetic acid, 1 M NaOH, 8 M urea, 6 M guanidine hydrochloride, 30% isopropanol and 70% ethanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>BioProcess resin</b>         | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>pH stability, CIP</b>        | 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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