

Q Agarose fast flow

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

SPECIFICATION

Product Overview	Q agarose fast flow is a highly successful anion and cation ion exchange media for purifying a wide range of biomolecules with excellent flow properties and high capacity for proteins of all pI values.
Cat.no	quaternary amine-002A
Matrix	Cross-linked agarose, 6%
Ion exchange capacity	0.14 to 0.20 mmol (Cl ⁻)/mL medium
Functional group	quaternary amine group: $-O-CH_2CHOHCH_2OCH_2CHOHCH_2N^+(CH_3)_3$
Protein	quaternary amine
Average particle size	45–165 μm
Dynamic binding capacity	0.18-0.25 mmol/ml media
Recommended flow rate	400-700 cm/h
Viscosity	Unused media can be stored in the container at +4 to +30°C. Ensure that the screw-top is fully tightened. Packed columns should be equilibrated in working buffer containing 20% ethanol to prevent microbial growth.

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Recommended column height	5-20cm
Chemical stability	All commonly used aqueous buffers 1 M NaOH 8 M urea 6 M guanidine hydrochloride 70% ethanol
pH working range	2-12
pH CIP range	2-14
Temperature Stability	4-40 °C
Warning	Oxidizing agents Long exposures (1 week, 20°C) to pH<>

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