QAE Dextran Resin

Cat. No. quaternary amine-001D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	QAE Dextran Resin is a weak cation exchanger based on the well documented and well proven Dextran base matrix. The resin is produced by introducing QAE functional groups onto the cross-linked dextran matrix.
Cat.no	quaternary amine-001D
Matrix	Cross-linked dextran
Ion exchange capacity	2.6–3.4 mmol/g dry powder
Functional group	quaternary amine group: –O–CH2CHOHCH2OCH2CHOHCH2N+(CH3)3
Protein	quaternary amine
Average particle size	40-120 μm
Ligand	Diethyl-(2-hydroxy-propyl)aminoethyl
Dynamic binding capacity	thyroglobulin (Mr 669 000): 1.5 mg/ml drained medium; HSA (Mr 68 000): 10 mg/ml drained medium; α-lactalbumin (Mr 14 300): 110 mg/ml drained medium
Viscosity	Store swollen medium in the presence of a suitable bacteriostat, e.g. 20% ethanol or 0.01 M NaOH at 4–8°C. Sodium azide or thiomersal should not be used as bacteriostat.

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Chemical stability	Stable to all commonly used aqueous buffers and additives such as 8 M urea and 6 M guanidine hydrochloride.
Physical stability	Negligible volume variation due to changes in pH or ionic strrength.
pH working range	2-12
pH CIP range	2-13
Autoclavable	In 0.1 M sodium chloride at 121 °C for 30 min
Warning	Avoid Oxidising agents and dextranase

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