

DEAE Dextran Resin

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

SPECIFICATION

Product Overview	DEAE Dextran Resin is a weak anion exchanger based on the well documented and well proven Dextran base matrix. The resin is produced by introducing DEAE functional groups onto the cross-linked dextran matrix.
Cat.no	diethylaminoethyl-001D
Matrix	Cross-linked dextran
Ion exchange capacity	3–4 mmol/g dry powder
Functional group	diethylaminoethyl group: $-O-CH_2CH_2-N^+(C_2H_5)_2H$
Average particle size	40-120 μm
Ligand	Diethylaminoethyl
Dynamic binding capacity	thyroglobulin (Mr 669 000): 1 mg/ml drained medium, HSA (Mr 68 000): 30 mg/ml drained medium), α -lactalbumin (Mr 14 300): 140 mg/ml drained medium
Recommended flow rate	475 cm/h at 25°C
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Chemical stability	Stable to all commonly used aqueous buffers additives such as 8 M urea and 6 M guanidine hydrochloride.
Physical stability	Negligible volume variation due to changes in pH or ionic strength.
pH working range	2-9
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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