DEAE polystyrene resin

Cat. No. diethylaminoethyl-006P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Creative Biomart provides series of ion exchange chromatography media for high efficient separation and purification of a wide range of biomolecules such as proteins, oligonucleotides, and peptides. The ion exchange resins are composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads.
Cat.no	diethylaminoethyl-006P
Matrix	cross-linked polystyrene
Functional group	diethylaminoethyl group:–O–CH2CH2–N+(C2H5)2H
Protein	diethylaminoethyl
Average particle size	35 μm
Dynamic binding capacity	20-60 mg/mL gel
Recommended flow rate	50-300 cm/h
Viscosity	The resin should be stored at 4-35 °C in 20 % ethanol
Chemical stability	Good chemical stability allows the use of the prepacked columns with most commonly used buffers and organic solvents, like for example 0.5 M NaOH, 50% ethanol, 20% isopropanol, 6 M GuHCl and 8 M urea.

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Physical stability	Negligible volume variation due to changes in pH or ionic strength
pH working range	2-13
pH CIP range	1-14

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