

## DEAE polystyrene resin

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

### SPECIFICATION

|                                 |   |
|---------------------------------|---|
| <b>Product Overview</b>         | 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. |
| <b>Cat.no</b>                   | diethylaminoethyl-006P  |
| <b>Matrix</b>                   | cross-linked polystyrene  |
| <b>Functional group</b>         | diethylaminoethyl group: $-O-CH_2CH_2-N+(C_2H_5)_2H$  |
| <b>Protein</b>                  | diethylaminoethyl   |
| <b>Average particle size</b>    | 35 $\mu$ m  |
| <b>Dynamic binding capacity</b> | 20-60 mg/mL gel   |
| <b>Recommended flow rate</b>    | 50-300 cm/h   |
| <b>Viscosity</b>                | The resin should be stored at 4-35 °C in 20 % ethanol   |
| <b>Chemical stability</b>       | 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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|---------------------------|--|
| <b>Physical stability</b> | Negligible volume variation due to changes in pH or ionic strength |
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|-------------------------|------|
| <b>pH working range</b> | 2-13 |
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|                     |      |
|---------------------|------|
| <b>pH CIP range</b> | 1-14 |
|---------------------|------|

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