

Product information

Produktinformation

1.17973 Fractoprep[®] TMAE

Ion Exchange chromatography (IEX)

Fractoprep[®] is a hydrophilic synthetic vinyl polymer consisting of spherical porous beads with high chemical and mechanical stability. The beads have a particle size especially designed for capture. The surface of the beads is functionalized according to the unique tentacle chemistry.

The chemical properties of the resin allow its use for

- efficient purification of bio-molecules (e.g. proteins, recombinant proteins, antibodies etc.)
- DNA removal
- virus reduction, virus purification
- endotoxin removal

Fractoprep[®] process media are superior due to their

- high throughput at low back pressure
- high capacity and good selectivity
- excellent chemical stability
- excellent mechanical stability
- easy handling during column packing

Properties of the strong anion exchanger

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| Cat. No. | 1.17973 |
| Bulk material | 100 ml, 1 l, 5 l |
| Particle size | 30 – 150 µm |
| Type of chromatography | Strong anion exchange chromatography |
| Functional group | Trimethylammoniummethyl group (TMAE), “Q-Type” |
| Protein binding capacity | ~ 130 mg BSA/ml of gel |
| pH stability range | pH 2 up to pH 14 |
| Elution conditions | High salt concentrations, decreasing pH |
| Pressure limit | 10 bar |
| Operating temperature | 4 °C to room temperature |
| Storage, preservative | 20 % ethanol, 150 mmol/l NaCl |
| Regeneration | 1 – 2 mol/l NaCl |
| Sanitization | 0.1 – 1 mol/l NaOH |
| Linear flow rate | Less than 1 bar at 10 ml/min (16 mm i.d. and 10 cm bed height) |