

# Product information

## Produktinformation

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### 1.17973 Fractoprep<sup>®</sup> TMAE

#### Ion Exchange chromatography (IEX)

Fractoprep<sup>®</sup> 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<sup>®</sup> 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

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)