

Fractogel[®] EMD Amino

DATA SHEET

Properties of the tentacle affinity sorbent

Cat. No.	1.14893
Bulk material	5000 ml; 500 ml
Particle size	40 - 90 µm
Type of chromatography	affinity/ion exchange chromatography
Functional group	2-hydroxy-aminopropyl
Derivatizable primary amino groups	40 µmol/g as determined by SPDS titration*
pH stability range	pH 2 up to pH 13
Pressure limit	20 bar
Operating temperature	4°C to room temperature
Storage, preservative	20% ethanol
Regeneration	high salt; 20% 2-propanol, 50% ethylene glycol, urea
Sanitization	up to 0.5M NaOH
Linear flow rate	up to 400 cm/h

Fractogel[®] EMD Amino is a methacrylate based copolymer with high mechanical and chemical stability. The functional hydroxy aminopropyl group is bonded via polymer chains enabling the ligand to adopt a configuration that is optimal for their interaction with the analyte. Fractogel[®] EMD Amino can be used for affinity chromatography (i.e. factor IX) and for the immobilization of ligands with carboxy-functional groups. For example up to 30µmol of peptides can be immobilized per g of gel.

1g of dried material is equivalent to about 5ml of gravity settled resin

* 500-600 µmol derivatizable primary amino groups per g of gel can be measured by TNBS-titration