

Epoxy methacrylic resin

Cat. No. Epoxy-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Epoxy agarose resin is an activated resin provided in dry form for the immobilization of protein ligands for affinity chromatography. It is used when high densities of low molecular weight molecules need to be attached. It is also useful when a conversion to other special functional groups is required prior to ligand immobilization. For instance, its hydrazide form is very useful for carbohydrates or glycoprotein ligands.
Cat.no	Epoxy-001M
Characteristics	Epoxy resin is suited for coupling lower molecular weight ligands, which has a high density of epoxy- functionality (ca.800 µmol/mL). Under appropriate reaction conditions, this may be used for immobilization of proteins or low molecularweight ligands. It is particularly useful when high densities of low molecular weight ligands must be attached.
Form	suspension in 20% ethanol
Size	5 g, 10 g, 100 g, 1000 g
Matrix	methacrylic polymer
Functional group	Epoxy group
Average particle size	65 µm
Ligand	Epoxy

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Ligand concentration	0.6-1.0 mmol/g
Recommended flow rate	normally 60 – 600 cm/h
Recommended column height	5-20cm
Chemical stability	Stable to all commonly used aqueous solutions. Can be used with non-ionic detergents, denaturing solvents, e.g. 8 M urea and 6 M guanidine hydrochloride, Stable in organic solvents, e.g. 50% dimethylformamide and 50% dioxane.
pH working range	2-14
pH CIP range	2-14
Temperature Stability	2-40 °C
Shelf life	10 years

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