

PureCube Epoxy Activated MagBeads

Cat. No.: 50805, 50825

Description	PureCube Epoxy Activated MagBeads are magnetic beads with active epoxy groups to couple biomolecules that carry free-standing amine (NH ₂) or thiol (SH) groups. An epoxide function is coupled to the magnetic bead with a C ₄ spacer to obtain a matrix with high binding capacity for amino and thiol functions. The resulting amide or thiol bond is stable so that the beads can be used for other applications afterward.
Support	Spherical magnetic agarose beads, cross-linked, 6% agarose
Form	25% (v/v) suspension in 100% isopropanol (20 µl suspension corresponds to 5 µl magnetic beads)
Bead size	20–40 µm (30 µm average)
Epoxy group density	20 µmol/ml (determined by acidimetric titration)
Application	PureCube Epoxy Activated MagBeads are applicable for the direct covalent coating of biomolecules via amino and thiol groups..
Stability	6 months after shipping
Storage	2–8 °C. Short-term: in neutral buffer (e.g. 50 mM phosphate, pH 7.0); Long-term: in 100% isopropanol
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Manufacturer	Cube Biotech

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