

PureCube Carboxy MagBeads

Product	Catalog No.	Package size
PureCube Carboxy MagBeads (1 mL)	50201	1 x 1 mL 25% suspension
PureCube Carboxy MagBeads (5 mL)	50205	1 x 5 mL 25% suspension
PureCube Carboxy MagBeads (25 mL)	50225	1 x 25 mL 25% suspension
PureCube Carboxy MagBeads (4x25 mL)	50290	4 x 25 mL 25% suspension

Product Description

PureCube Carboxy Mag Beads have been synthesized for the covalent coating for affinity purification using EDC and NHS.

The affinity matrix is based on spherical magnetic agarose beads, consisting of 6% cross-linked agarose. The material is highly porous to allow optimal protein interaction. Cross-linked agarose is also physically very stable, making it suitable for purification processes without deformation or destruction. Our magnetic beads are very homogeneous in size with a medium particle diameter of 25 µm, yielding a high degree of reproducibility between individual purification runs.

A carboxy function is coupled to the magnetic agarose with a C₆ spacer to obtain a matrix with highest binding capacity. The carboxylic group density is higher than 15 µmol/ml, as determined by acidimetric titration.

PureCube Carboxy Mag Beads are delivered as a 25% suspension. Therefore, 1 mL suspension will yield a 250 µL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Important: After NHS activation, it is highly recommended to directly react the resin with the target molecule, because hydrolysis will reduce activated groups directly after activation and removal of EDC/NHS.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In equilibration buffer (see protocol)
Long-term Storage	100 mM sodium hydrogen carbonate, 0.02% sodium azide, pH 7.5 at 4 °C or 20 mM sodium acetate, 20% ethanol, pH 6.5 at 4 °C

Additional Information

For coupling protocols, and protocols for protein purification, please visit our webpage at: www.cube-biotech.com/protocols. For affinity purification of His-tagged, GST-tagged, rho-tagged or strep[®]-tagged proteins, Cube Biotech offers dedicated agarose resins, magnetic beads and prepacked cartridges. Also available are a range of ultrapure detergents and buffers for extraction and purification of proteins. See www.cube-biotech.com/products for details.

Disclaimer: Our products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.

Trademarks: Strep-tag[®] (IBA GmbH).

Proteins are our passion.