Cube Biotech
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PureCube Glutaththioione MagBeads XL

Product	Catalog No.	Package size
PureCube Glutathione MagBeads XL (5 ml)	**57105**	**1 x 5 mL**
PureCube Glutathione MagBeads XL (5 ml)	**57125**	**1 x 25 mL**
PureCube Glutathione MagBeads XL (5 ml)	**57190**	**4 x 25 mL**

Product Description

PureCube Glutathione MagBeads are are developed for the affinity purification of glutathione-S-transferase (GST) fusion proteins. 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 homogeneous in size with a mediam particle diameter of 90 µm, yielding in a high degree of reproducibility between individual purification runs.

Glutathione is coupled to the magnetic agarose beads to obtain an affinity matrix with highest binding capacity for GST fusion proteins. Because the purification methods depends on correctly folded GST protein, only native conditions can be used.

PureCube Glutathione MagBeads are delivered as a 25% suspension. Therefore, 1 mL suspension of glutathione-S-transferase from *E.coli* will yield a 250 µl bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Protein Binding Capacity

The protein binding capacity is up to 2 mg/mL settled beads, as determined by purification of glutathione-S-transferase from *E.colcoli* cleared lysates, and quantified via spectrophotphotometry.

Compatibility

PureCube Glutathione MagBeads are stable in most commonly used aqueous buffers with pH 3 – 12, (e.g. 1 M sodium acetate, pH 4.0, or 6 M guanidine-hydrochloride), organic solvents (e.g., 70% (v/v) ethanol), and 1% (w/v) SDS for 1 h at room temperature.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In neutral buffer at 4°C
Long-term Storage	In neutral buffer with 20% ethanol at 4 °C

Additional Information

For protein purification protocols, please visit our webpage at: www.cube-biotech.com/protocols. For purification of GST fusion proteins with gravity flow columns and low pressure chromatography, we recommend using PureCube Glutathione Agarose. For affinity purification of His-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.