

PureCube Glutathione Agarose XL

Product	Catalog No.	Package size
PureCube Glutathione Agarose XL (10 mL)	57003	20 mL of a 50% suspension
PureCube Glutathione Agarose XL (50 mL)	57005	100 mL of a 50% suspension
PureCube Glutathione Agarose XL (250 mL)	57010	500 mL of a 50% suspension
PureCube Glutathione Agarose XL (500 mL)	57012	1000 mL of a 50% suspension

Product Description

PureCube Glutathione Agarose XL was developed for the affinity purification of proteins carrying a Glutathione S-transferase (GST) tag. This affinity chromatography matrix consists of particularly large agarose beads, which are used for special applications. The material consists of 6% cross-linked agarose, and is highly porous to allow for optimal protein interaction. This special agarose contains extra large particles with a medium diameter of 400 µm.

Glutathione has been coupled to the agarose to obtain an affinity matrix with highest binding capacity for GST fusion proteins. PureCube Glutathione Agarose can be used for batch purification, as well for low pressure column purification, and is compatible with all prokaryotic and eukaryotic expression systems. Because the purification method depends on correctly folded GST protein, only native conditions can be used.

PureCube Glutathione Agarose is delivered as a 50% suspension. Therefore, 2 mL suspension will yield a 1 mL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Protein Binding Capacity

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

Compatibility

For cleaning purposes, PureCube Glutathione Agarose is very stable and can resist the following conditions in most situations:

All commonly used aqueous buffers, from 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), 1% (w/v) SDS, 0.1 M NaOH, 0.1 M HCl.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In neutral buffer at 4°C
Long-term Storage	In neutral buffer containing 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-tagged proteins from dilute solutions, we recommend using PureCube Glutathione MagBeads. 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.

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

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Proteins are our passion.