

GST MultiTrap 4B

Product Information

Cat#No# GST-094P

Product Overview

GST MultiTrap FF and GST MultiTrap 4B are prepacked, 96-well filter plates for reproducible, high-throughput screening and rapid parallel purification of glutathione S-transferase (GST) tagged proteins.

Description

GST MultiTrap 4B is prepacked disposable 96-well filter plates for reproducible high-throughput screening of glutathione S-transferase (GST) tagged proteins. The 96-well filter plates are prepacked with Glutathione Sepharose 4B, respectively. GST-fusion proteins can be produced using the pGEX series of expression vectors.

These filter plates simplify the purification screening and small scale purification of up to 0.5 mg of GST-tagged proteins/well. After thorough cell disruption, it is possible to apply unclarified lysate directly to the wells in the 96-well filter plate without precentrifugation and/or filtration of the sample. It is recommended to extend the duration of mechanical/chemical lysis if the sample is too viscous after lysis. The tagged proteins are eluted under mild, nondenaturing conditions that preserve protein antigenicity and function.

Characteristic

96-well filter plate format for high-throughput screening and parallel purification of GST-tagged* proteins. Highly reproducible well-to well and plate-to-plate results.

High purity in one step, high chemical stability. Load unclarified samples directly to the wells.

Wells are prepacked with Glutathione Sepharose resins for convenience.

Easy and predictable scale-up using prepacked GSTrap FF, GSTPrep FF 16/10, and GSTrap 4B columns.

Average particle size

90 µm

Dynamic binding capacity

Up to 0.5 mg GST-tagged protein/well.

Chemical stability

GST MultiTrap 4B

All commonly used aqueous buffers, e.g., 1 M acetate, pH 4.0 and 6 M guanidine hydrochloride for 1 hour at room temperature.

CIP stability

4 to 13

Storage

4 - 30°C, 20% Ethanol

Binding buffer

PBS, pH 7.4 (140 mM NaCl, 2.7 mM KCl, 10 mM Na₂HPO₄ , 1.8 mM KH₂PO₄).

Elution buffer

50 mM Tris-HCl, 10 mM reduced glutathione, pH 8.0.

Pack size

4 × 96-well filter plates

Number of wells

96

Centrifugation force recommended

100 x g-500 x g

Centrifugation force max.

700 x g
