

## GST MultiTrap 4B

### Product Information

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**Cat#No#** GST-094P

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### Product Overview

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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.

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### Description

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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.

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### Characteristic

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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.

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### Average particle size

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90 µm

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### Dynamic binding capacity

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Up to 0.5 mg GST-tagged protein/well.

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### Chemical stability

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## 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.

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**CIP stability**

4 to 13

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**Storage**

4 - 30°C, 20% Ethanol

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**Binding buffer**

PBS, pH 7.4 (140 mM NaCl, 2.7 mM KCl, 10 mM Na<sub>2</sub>HPO<sub>4</sub> , 1.8 mM KH<sub>2</sub>PO<sub>4</sub> ).

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**Elution buffer**

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

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**Pack size**

4 × 96-well filter plates

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**Number of wells**

96

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**Centrifugation force recommended**

100 x g-500 x g

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**Centrifugation force max.**

700 x g

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