

Save money without making compromises!

Protino® Glutathione Agarose 4B

The cost-effective alternative for GST-tag purification

→ *Converting is simple*

Equivalent to Glutathione Sepharose™ 4B, highest performance

Simply copy and paste your procedure

No optimization or protocol change

→ *Highest flexibility*

For batch, gravity flow, and FPLC™

→ *Universal use*

Suitable for small proteins, large protein complexes, proteins with low expression rates

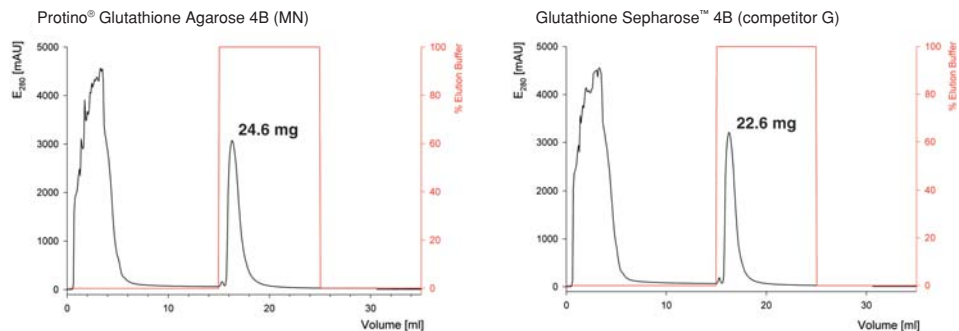
market-leading performance for an unbeatable price!

Application data part I

Protino® Glutathione Agarose 4B shows high performance for the GST-tagged protein DsRed.T3. Yield and purity are comparable to Glutathione Sepharose™ 4B.

Data: Chromatograms FPLC™ application, system ÄKTApri™ plus, 1 ml bed volume, 5 ml sample volume, yield: 24.6 mg (MN), 22.6 mg (competitor G).

Coding sequence of DsRed.T3 was kindly provided by Dr. G. Jach, Phytowelt GmbH, Cologne, Germany



Additionally, the high reproducibility of purification results with MN and competitor G was shown by four repeated FPLC™ runs giving comparable yield and purity (data not shown, see www.mn-net.com/protein).

Customer testimonial

"We have tested Protino® Glutathione Agarose 4B in comparison to Glutathione Sepharose™ 4B and found comparable results. Yield and purity of our isolated GST-fusion proteins as well as the performance were absolutely convincing and comparable to the market leader."

Karin Heine and Prof. Dr. Holger Barth, Institute of Pharmacology and Toxicology, University of Ulm Medical Center, Germany

Achieve the same high quality results while saving money!
Request your sample today...let us convince you!

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Product at-a-glance

Application	Batch binding Gravity flow column chromatography MPLC (e.g. FPLC™)
Matrix	4% Beaded agarose
Bead size	90 µm
Form	75% (v/v) Aqueous suspension
Ligand	Glutathione
Binding capacity*	>8 mg recombinant GST/ml medium
Max. linear flow rate	250 cm/h
Storage temperature	4-8 °C

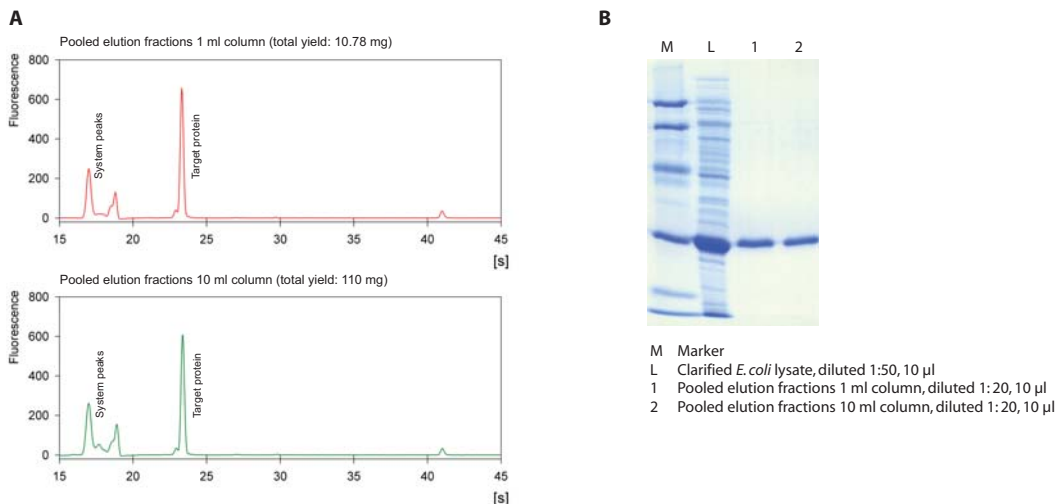
* The binding capacity will vary for each GST-tagged protein

Application data part II

Protino® Glutathione Agarose 4B allows highly consistent upscaling from 1 ml to 10 ml bed volume.

The yield was 10.78 mg for the 1 ml column and 110 mg for the 10 ml column, the high purity was shown by Bioanalyzer and SDS-PAGE analysis.

Data: FPLC™ application, system ÄKTAprime™ plus, 1 ml and 10 ml bed volume, sample 0.6 and 6 ml clarified *E. coli* lysate containing recombinant GST, yield 1 ml column: 10.78 mg, 10 ml column: 110 mg. **A** Electropherograms Bioanalyzer, pooled elution fractions 1 ml and 10 ml column. **B** SDS-PAGE of pooled elution fractions 1 ml and 10 ml column



For more information about Protino® Glutathione Agarose 4B and other Protino® products contact your local distributor or see www.mn-net.com/protein

Ordering information

Product	Pack of	Reference
Protino® Glutathione Agarose 4B	10 ml	10 ml settled beaded agarose 745500.10
	100 ml	100 ml settled beaded agarose 745500.100

Distributed by:

Sepharose™, FPLC™, and ÄKTAprime™ are trademarks of GE Healthcare companies.

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