

# DiagAg™ Glutathione Agarose Particles, 4% Crosslinked, 50-150 µm

Cat.No: DAG-GB23-16

## DESCRIPTION

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This product provides a one-step purification method and permits rapid, mild and highly selective purifications of proteins containing glutathione binding sequences. Bound GST-fusion proteins are easily displaced from the resin by elution with buffers containing reduced glutathione. Glutathione has been covalently linked for use in affinity purification of glutathione-S-transferase (GST) and GST fusion proteins. Fusion proteins expressed from pGEX vectors contain a Glutathione S-transferase (GST) moiety and can therefore be purified to near homogeneity by affinity chromatography on glutathione as a substrate in inactivate toxic small molecules via formation of mercapturic acid. Because the affinity of GST for its substrate is in the submillimolar range, immobilization of glutathione on an agarose matrix makes a highly efficient affinity chromatography resin.

## APPLICATION

**Application Notes** Batch, Gravity, MPLC and FPLCTM

## PRODUCT INFORMATION

<b>Diameter</b>	50-150 µm
<b>Ligand</b>	Glutathione
<b>Concentration</b>	75% v/v
<b>Matrix</b>	4% agarose
<b>Binding Capacity</b>	>8 mg recombinant GST/mL gel

**Appearance** Spherical

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**Maximum Linear Velocity** 250 cm/h

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## STORAGE AND SHIPPING

**Storage Buffer** Aqueous containing 20% ethanol

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**Stability** Stable in 0.1 M acetate pH 4.0, 0.1 M NaOH, 70% ethanol or 6 M guanidine hydrochloride for 2 h at room temperature.

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**Storage** Store at 4°C. Do not freeze.

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