



## BTS Provides the Best tools for Protein Purification!

### AFFINITY GST PURIFICATION

#### TECHNICAL SPECIFICATIONS GLUTATHIONE Agarose BULK resins

BEAD (Geometry, size)	Spherical, Standard: ~ 50-150 µm			
CROSS-LINKED	No <sup>(1)</sup>			
AGAROSE %	4% agarose			
LIGAND	Glutathione, linked via sulphur atom			
SPACER ARM	12 atoms			
BINDING CAPACITY	> 8 mg recombinant GST / ml gel <sup>(2)</sup>			
MATRIX	Stable in 0.1M acetate pH 4.0, 0.1 M NaOH, 70% ethanol or 6 M guanidine hydrochloride for 2 hours at room temperature.			
APPLICATION	Batch, gravity, MPLC and FPLC <sup>TM</sup>			
RECOMMENDED FLOW RATES	Bed Volume	Inner diameter	Sample loading <sup>(3)</sup>	Washing/Elution
	1 ml	6.6 mm	0.2 – 1.0 ml/min	1.0 ml/min
	10 ml	16 mm	0.5 – 5.0 ml/min	5.0 ml/min
MAXIMUM LINEAR FLOW RATE	250 cm/ h			
PRODUCT NAME	Glutathione Agarose Resin			
CAT. No.	4B-GLU-X			
ANTIMICROBIAL AGENT	75 % (v/v) aqueous suspension containing 20% Ethanol <sup>(4)</sup>			
STORAGE TEMPERATURE	4 - 8°C			

\*X: Product Quantity (10 or 100 ml)

<sup>(1)</sup> Do not autoclave the gel.

<sup>(2)</sup> Orientative values for binding capacity. Binding capacity will vary for each GST-tagged protein.

<sup>(3)</sup> Slow flow rates are recommended for the loading step to allow maximal binding of the GST-tagged protein.

<sup>(4)</sup> 1 ml gel corresponds to 1.333 ml of original 75% suspension.

For laboratory use only. Not for use in diagnostic or therapeutic procedures.