



OXFORD BIOMEDICAL RESEARCH

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Product specifications

Glutathione S-Transferase 4-4 (Yb2-Yb2)

	Product # GS 24	Typical Lot
Source:	Rat Liver	
Concentration:	100 µg/mL measured by the Bradford method with BSA as standard.	
Specific Activity:	5.9 units/mg	
Purity:	Homogeneous by SDS gel electrophoresis.	
Application:	This purified enzyme is useful as a standard for Western blotting or for enzymatic assays.	
Definition of unit:	One unit is the amount of enzyme that catalyzes the conjugation of 1 µmole of 1-chloro-2,4-dinitrobenzene (CDNB) to glutathione in one minute at room temperature in 100 mM potassium phosphate buffer, pH 6.5. [<i>J.B.C.</i> , 249 : 7130-7139 (1974)]	
Packaging:	5 µg of enzyme suspended in 50 µL of 20mM Tris buffer (pH 7.0). Each vial contains sufficient enzyme for 2 assays using CDNB as substrate in a spectrophotometric assay.	
Storage:	Stable indefinitely at -70°C. Labile to repeated freezing and thawing.	
References:	Alin, P., Jensson, H., Guthenberg, C., Danielson, U.H., Tahir, M.K., and Mannervik, B., <i>Anal. Biochem.</i> , 146 : 313-320 (1985). Hayes, J.D. and Pulford, D.J., <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 30 : 445-600 (1995). Boyer, T.D., <i>Hepatology</i> , 9 : 468-496 (1989).	