

General Glutathione S-transferase Assay Kit

Glutathione S-transferase Microplate Assay Kit

CATALOG # AAA261557	REACTIVITY General	APPLICATIONS Functional Assay
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PRODUCT SYNONYMS

Glutathione S-transferase; Glutathione S-transferase Microplate Assay Kit; EC 2.5.1.18; Glutathione transferase; Glutathione S-alkyltransferase; Glutathione S-aralkyltransferase; Glutathione S-aryltransferase; S-(hydroxyalkyl)glutathione lyase; Glutathione S-transferase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids samples
Applicable Applications for Glutathione S-transferase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

ADDITIONAL INFORMATION

Related Product Information for Glutathione S-transferase assay kit	Background/Introduction: Glutathione S-transferases (GSTs) are a group of enzymes important in the detoxification of many xenobiotics in mammals. The enzymes protect cells against toxicants by conjugating the thiol group of the glutathione to electrophilic xenobiotics, and thereby defend cells against the mutagenic, carcinogenic, and toxic effects of the compounds. GST activity is present in plants, insects, yeast, bacteria, and most mammalian tissues especially in the liver, which plays a key role in detoxification. The Glutathione S-transferase Microplate Assay Kit is based upon the GST-catalyzed reaction between GSH and the GST substrate, CDNB (1-chloro-2,4-dinitrobenzene, which has the broadest range of isozyme detectability. Under certain conditions, the interaction between glutathione and CDNB is totally dependent on the presence of active GST. The GST-catalyzed formation of GS-DNB produces a dinitrophenyl thioether which can be detected by spectrophotometer at 340 nm.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/glutathione-s-transferase/261557>