CREATIVE BIOMART®
Assay Kit

Glutathione S-Transferase Assay Kit

Product Information

Cat.No. Kit-0398

Product Overview

Glutathione S-Transferase Assay Kit is a colorimetric method for assaying the activity of GST.

Description

Glutathione S-transferases (GSTs) are ubiquitous multifunctional enzymes, which play a key role in cellular detoxification. The enzymes protect cells against toxicants by conjugating them to glutathione, thereby neutralizing their electrophilic sites, and rendering the products more water-soluble. The glutathione conjugates are metabolized further to mercapturic acid and then excreted. Based on their sequence homology, substrate specificity and immunological cross-reactivity, GSTs have been grouped into species-independent classes of isozymes. These classes are comprised of both cytosolic and microsomal enzymes.

Usage

For research use only (RUO)

Storage

This kit will perform as specified if stored at -20°C and used before the expiration date indicated on the outside of the box.

Kit Components

GST Assay Buffer (2X) 1 vialGST Sample Buffer (2X) 1 vialGST Assay (control) 1 vialGST Glutathione 1 vialGST CDNB 1 vial96-Well Plate (Colorimetric Assay) 1 plate96-Well Cover Sheet 1 cover

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