



## Glutathione S-Transferase Assay Kit

### Product Information

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**Cat.No.**

Kit-0398

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**Product Overview**

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

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**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.

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**Usage**

For research use only (RUO)

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**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.

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**Kit Components**

GST Assay Buffer (2X) 1 vial GST Sample Buffer (2X) 1 vial GST Assay (control) 1 vial GST Glutathione 1 vial GST CDNB 1 vial 96-Well Plate (Colorimetric Assay) 1 plate 96-Well Cover Sheet 1 cover

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