CREATIVE BIOMART®
Assay Kit

Glutathione S-transferase Assay Kit

Product Information

Cat

Kit-2448

Cat.No. Kit-2448

Product Overview

GLUTATHIONE TRANSFERASE (GST; EC 2.5.1.18) is a multifunctionalenzyme that plays an important role in cellular detoxification. GST protects cells against foreign compounds such as carcinogens and drugs by catalyzing the attachment of glutathione to the compounds electrophilic and/or hydrophobic sites. Glutathione S-transferase assay kit is based on the GST enzyme reaction between GSH and the GST substrate, CDNB (1-chloro-2,4-dinitrobenzene). The GST catalyzed formation of GS-DNB produces a dinitrophenyl thioether which can be detected spectrophotometrically at 340 nm. The rate of increase in absorbance at 340 nm is directly proportional to the GST activity in the sample.

Storage

4°C and -20°C

Shipping

RT

Size

100 tests

Detection method OD340nm

Compatible Sample Types

Biological samples (e.g. cell lysates, tissues, etc.)

Features & Benefits

Fast and sensitive. Linear detection range (20 µL sample): 2 to 80 U/L for 10 min reaction at 25°C. Convenient and high-throughput. Homogeneous "mix-incubate-measure" type assay. Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.

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Assay time
10 min
Sensitivity
2 U/L

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