



## Glutathione Peroxidase Assay Kit

### Product Information

#### Cat.No.

Kit-0388

### Product Overview

Glutathione Peroxidase Assay Kit is a quantitative colorimetric glutathione peroxidase determination.

### Description

GLUTATHIONE PEROXIDASE (GPX, EC 1.11.1.9) represents an enzyme family with peroxidase activity whose main biological role is to protect the organism from oxidative damage. It helps prevent lipid peroxidation of cellular membranes by removing free peroxide in the cell. GPX catalyzes the following reaction with glutathione reductase (GR).

### Applications

Direct Assays: GPX activity in biological samples. Drug Discovery/Pharmacology: effects of drugs on GPX activity.

### Usage

For research use only (RUO)

### Storage

Store all components at -20°C. Shelf life of three months after receipt, 3 weeks after reconstitution.

### Kit Components

Assay Buffer 25 mL  
GR Enzyme 1 mL  
Glutathione (Dried) 1 vial  
NADPH (Dried) 1 vial  
Calibrator (Dried) 1 vial  
Peroxide Solution 50 ML

**Detection method** Colorimetric

### Compatible Sample Types

Biological Sample

### Features & Benefits



CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

## Glutathione Peroxidase Assay Kit

Sensitive and accurate. Use 10  $\mu$ L sample. Linear detection range 40 to 800 U/L GPX activity

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