

Glutathione Peroxidase Assay Kit

Cat. No. Kit-0388 **Lot. No.** (See product label)

SPECIFICATION

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 mLGR Enzyme 1 mLGlutathione (Dried) 1 vialNADPH (Dried) 1 vialCalibrator (Dried) 1 vialPeroxide Solution 50 MI
Detection method	Colorimetric
Compatible Sample Types	Biological Sample

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Features & Benefits

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

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