CREATIVE BIOMART®
Assay Kit

# Glutathione Detection Assay Kit

## Product Information

**Cat.No.** Kit-0394

**Product Overview**

Detection and Quantification of Glutathione Content.

**Description**

Glutathione is a tripeptide of glycine, glutamic acid and cysteine. In the red blood cell, the reduced form of glutathione is vital in maintaining hemoglobin in a reduced state and hence protecting the cells from oxidative damage. Glutathione is involved in detoxification of hydrogen peroxide through glutathione oxidase. Low levels of glutathione are found in deficiencies of key enzymes involved in glutathione metabolism, such as glucose-6-phosphate dehydrogenase, glutathione synthase and glutathione reductase.

**Applications**

Functional Assay

**Storage**

Shipped and store at 4°C for 6 months.

**Kit Components**

Component-Volume-Storage1. 96-Well Microplate;2. Reagent I: 30 ml x 1, 4°C; 3. Reagent II: 15 ml x 1, 4°C; 4. Reagent III: 5 ml x 1, 4°C, keep in dark; 5. Technical Manual, 1 Manual

**Detection method** Colorimetric

**Compatible Sample Types**

Urine; Serum; Plasma; Other biological fluids; Tissue Extracts; Cell Lysate; Cell culture media

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