

Glutathione Detection Assay Kit

Cat. No. Kit-0394 **Lot. No.** (See product label)

SPECIFICATION

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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