



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-Storage 1. 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