CREATIVE BIOMART®
Assay Kit

Tyrosinase Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Glutathione reductase (GR, EC 1.8.1.7) is a key enzyme in the glutathione antioxidant system. It catalyzes the reduction of oxidized glutathione (GSSG) to reduced glutathione (GSH), thereby maintaining intracellular redox balance and protecting cells from oxidative damage.
Principle of Measurement: GR catalyzes the reduction of GSSG using NADPH as an electron donor. NADPH is oxidized to NADP⁺, resulting in a decrease in absorbance at 340 nm. The rate of absorbance decline is proportional to GR activity.

Size

50t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer

Materials Required but Not Supplied

UV–visible spectrophotometer or microplate reader, benchtop centrifuge, adjustable pipettes, quartz cuvettes or 96-well plates, and distilled water.

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