CREATIVE BIOMART®
Assay Kit

Succinate Dehydrogenase (SDH) Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Succinate dehydrogenase (SDH, EC 1.3.5.1) is a mitochondrial marker enzyme located on the inner mitochondrial membrane. It serves as a critical link between the electron transport chain and oxidative phosphorylation and also provides electrons for respiratory chains in prokaryotes.
Principle of Measurement: SDH catalyzes the oxidation of succinate to fumarate. The released hydrogen is transferred via phenazine methosulfate (PMS) to reduce 2,6-dichlorophenolindophenol (DCPIP), which exhibits a characteristic absorption at 600 nm. SDH activity is determined by monitoring absorbance changes at 600 nm.

Size

100t/96s

Storage

Store at -20 °C. Shelf life: 6 months.

Synonyms

SDH Kit

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, water bath, benchtop centrifuge, adjustable pipettes, quartz cuvettes or 96-well plates, mortar, ice, and distilled water.

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