CREATIVE BIOMART®
Assay Kit

Mitochondrial Complex IV/Cytochrome C Oxidase Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Mitochondrial complex IV, also known as cytochrome c oxidase, catalyzes the oxidation of reduced cytochrome c and transfers electrons to oxygen to form water. It is a key component of the mitochondrial electron transport chain.
Principle of Measurement: Reduced cytochrome c exhibits a characteristic absorption peak at 550 nm. The decrease in absorbance at 550 nm reflects mitochondrial complex IV activity.

Size

100t/96s

Storage

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

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

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

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