CREATIVE BIOMART®
Assay Kit

# Mitochondrial Complex III Activity Assay Kit

## Product Information

**Cat**

Kit-2272

**Cat.No.** Kit-2272

**Product Overview**

Mitochondrial Complex III or Ubiquinol-Cytochrome c reductase (EC 1.10.2.2) is the third complex of the Electron Transport Chain located in the mitochondrial membrane. It is present in the mitochondria of all aerobic eukaryotes and also in the inner membranes of most bacteria. It transfers electrons from CoQH (reduced coenzyme Q or ubiquinol) to cytochrome c, resulting in the reduction of cytochrome c. This reduced cytochrome c is a substrate for complex IV of the electron transport chain.Mitochondrial Complex III Activity Assay is based on this reduction of cytochrome c through the activity of Complex III. The absorbance of reduced cytochrome c can be measured at 550 nm. It is a fast and reliable method to determine the activity of complex III in isolated mitochondria.The kit can detect as low as 10 mU/ml and is linear up to 30 mU/ml.

**Applications**

Measurement of Complex III activity in isolated mitochondria.

**Storage**

-20°C

**Shipping**

Gel Pack

**Size**

100 assays

**Kit Components**

Complex III Assay Buffer; Cytochrome c; Complex III Inhibitor Antimycin A; 1 M DTT; Clear 96-well half area plate

**Target Species**

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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# Mitochondrial Complex III Activity Assay Kit

Multiple species

**Detection method** Colorimetric (Absorbance 550 nm)

**Features & Benefits**

Simple, rapid & convenient assay to measure Mitochondrial Complex III; Includes Inhibitor (Antimicyn A)

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