CREATIVE BIOMART®
Assay Kit

# Mitochondrial Isocitrate Dehydrogenase (ICDHm) Activity Assay Kit

## Product Information

**Product Overview**

Mitochondrial isocitrate dehydrogenase (ICDHm, EC 1.1.1.41) is widely present in mitochondria of animals, plants, microorganisms, and cultured cells. It catalyzes the conversion of isocitrate to a-ketoglutarate in the tricarboxylic acid cycle and is a rate-limiting enzyme and major source of cellular NADH.
ICDHm catalyzes NAD<sup>+</sup> reduction to NADH, resulting in increased absorbance at 340 nm.

**Size**

50t/24s

**Storage**

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

**Detection method** Spectrophotometer

**Materials Required but Not Supplied**

UV spectrophotometer, water bath, benchtop centrifuge, adjustable pipettes, 1 mL quartz cuvettes, mortar, ice, distilled water.

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