

General Isocitrate Assay Kit

Isocitrate Microplate Assay Kit

CATALOG # AAA264740	REACTIVITY General	APPLICATIONS Functional Assay
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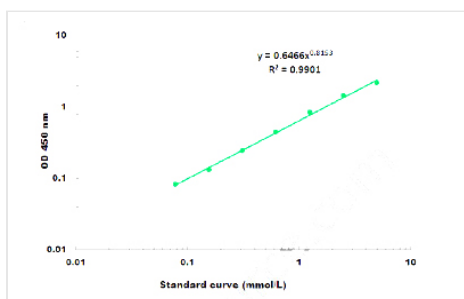
PRODUCT SYNONYMS

Isocitrate; Isocitrate Microplate Assay Kit; Isocitric acid; Isocitrate assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids samples
Detection Range	0.1 mmol/L - 5 mmol/L
Applicable Applications for Isocitrate assay kit	FA (Functional Assay)
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Isocitrate assay kit

Background/Introduction: Isocitrate is a substrate in the citric acid (TCA) cycle. Isocitrate is formed by the isomerization of citrate catalyzed by the enzyme aconitase. Isocitrate is oxidized by isocitrate dehydrogenase producing alpha-ketoglutarate and generating NADPH. Isocitrate is commonly found in many fruits and vegetables and their processed products. Industrially, isocitrate is used as a marker to identify the quality and purity of fruit juices. Isocitrate Microplate Assay Kit provides a simple and direct procedure for measuring isocitrate content in a variety of samples. The NADPH converts the dye to an intense violet color with an absorption maximum at 450 nm. The increase in absorbance at 450 nm is directly proportional to the isocitrate concentration.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.