

Malic Acid Assay Kit

Malic Acid Colorimetric Assay Kit

CATALOG #
AAA178646

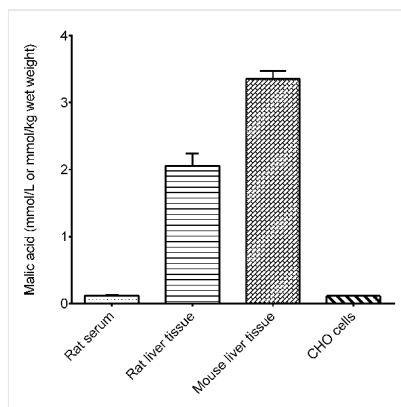
PRODUCT SYNONYMS

Malic Acid; Malic Acid Colorimetric Assay Kit; Malic Acid assay kit

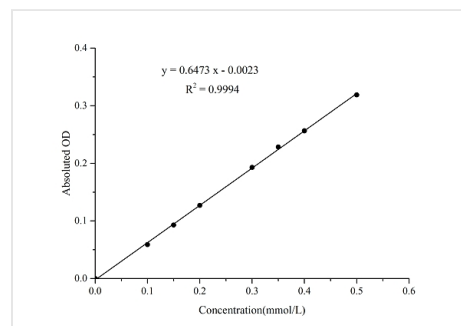
PRODUCT SPECIFICATIONS

Assay Type	Quantitative
Samples	serum (plasma), tissue and cell
Detection Range	0.003-0.5 mmol/L
Sensitivity	0.003 mmol/L
Detection Method	Colorimetric method
Detection Instrument	Microplate reader
Assay Time	50 min
Research Area	Tricarboxylic Acid (TCA) Cycle
Test Principle	L-malic acid, also known as 2-hydroxysuccinic acid, is widely present in living organisms. It has two stereoisomers and is one of the members of the tricarboxylic acid cycle, an important metabolic cycle in living organisms. The detection principle of this kit is that the enzyme catalyzes malic acid to produce oxaloacetic acid. At the same time, under the action of electronic coupler, the chromogenic agent is reduced to produce orange yellow product, which has the maximum absorption peak at about 450 nm.
Precision	Inter Assay CV: 4.6-5.9% Intra Assay CV: 2.6-3.6%
Preparation and Storage	This product can be stored at -20 degree C for 12 months with shading light. Ship: Ice bag

IMAGES



Application Data



Standard Curve (Sample)

ADDITIONAL INFORMATION

Product Categories/Family for Malic Acid assay kit	Metabolism Assay; Cell Metabolism Assays; Tricarboxylic Acid(TCA)Cycle
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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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/malic-acid/178646>