

Citric Acid Assay Kit | CA assay kit

Citric Acid (CA) Colorimetric Assay Kit

CATALOG #
AAA177025

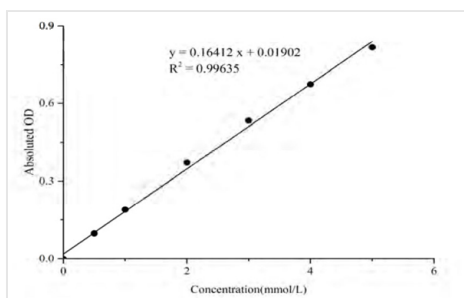
PRODUCT SYNONYMS

Citric Acid; Citric Acid (CA) Colorimetric Assay Kit; CA assay kit

PRODUCT SPECIFICATIONS

Specificity	50Assays(48 samples)/100Assays (96 samples)
Samples	Tissue, mitochondria and other liquid samples
Detection Range	0.05-5.0 mmol/L
Sensitivity	0.05 mmol/L
Intra-assay Precision	Three human serum samples were assayed in replicates of 20 to determine precision within an assay. (CV = Coefficient of Variation)
Inter-assay Precision	Three human serum samples were assayed 17 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CA assay kit

Principle of the Assay: In acidic condition, Cr (VI) will be reduced to Cr³⁺, Cr³⁺ reacts with citric acid. And the product has a characteristic absorption peak at 545 nm, therefore the content of citric acid in sample can be calculated by measuring the absorbance value at 545 nm.

Intended Uses: This kit can be used to measure citric acid (CA) content in tissue, mitochondria and other liquid samples.

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.