

Citric Acid (CA) Colorimetric Assay Kit

Cat No: HR3BC1234

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(545 nm)
Assay Time	60 min
Validity	3
Assay Type	Quantitative
Sample Type	Tissue,mitochondria,other liquid samples
Synonyms	CA
Instrument	Spectrophotometer(545 nm)
Detection Principle	In acidic condition, Cr (?) 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.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Water bath, Incubator, Vortex mixer, Centrifuge
Size	100Assays
Sensitivity	0.05 mmol/L
Detection Range	0.05-5.0 mmol/L
Recovery Rate	96