

Calcium (Ca) Colorimetric Assay Kit

Cat No: HR3BC1137

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(600-620 nm,optimum wavelength: 610 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,urine,cell culture supernatant,tissue,cells
Synonyms	Ca
Instrument	Microplate reader(600-620 nm,optimum wavelength: 610 nm)
Detection Principle	Calcium ion in the sample bind to Methyl Thymol Blue (MTB) in alkaline solution and form blue complex. The blue complex has a specific absorption peak at 715nm and calcium content can be calculated by measuring the OD value at 610 nm.
Reagents	
Labware	Micropipettor, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	0.07 mmol/L
Detection Range	0.07-1.2 mmol/L
Recovery Rate	99