

Magnesium (Mg) Colorimetric Assay Kit

Cat No: HR3BC1174

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(540 nm)
Assay Time	50 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma
Synonyms	Mg
Instrument	Spectrophotometer(540 nm)
Detection Principle	The magnesium in the serum reacts with the complexometric indicator (Calmagite) to form the Calmagite-Mg compound. The absorbance of this compound at 540 nm is proportional to the concentration of magnesium in the sample. The concentration of magnesium can be calculated by measuring the OD value at 540 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Centrifuge, Incubator, Vortex mixer
Size	100 Assays
Sensitivity	0.12 mmol/L
Detection Range	0.12-2.50 mmol/L
Recovery Rate	95