

Chlorine (Cl) Colorimetric Assay Kit

Cat No: HR3BC1176

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(440 nm-480 nm,optimum wavelength: 460 nm)
Assay Time	15 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, animal tissue
Synonyms	Cl
Instrument	Microplate reader(440 nm-480 nm,optimum wavelength: 460 nm)
Detection Principle	Chloride ion in biological fluids are replaced by the mercury ions in mercury thiocyanate through ion replacement, which resulted in the formation of difficult-to-dissociate mercury chloride. The substituted thiocyanate ions were combined with ferric nitrate to form a red complex. The content of chlorine ion can be calculated indirectly by measuring the OD value at 460 nm.
Reagents	
Labware	Micropipettor, Tubes, Vortex mixer, Incubator, Centrifuge.
Size	96T
Sensitivity	1 mmol/L
Detection Range	1.0-60 mmol/L
Recovery Rate	105