Potassium (K) turbidimetric Assay Kit

Cat No: HR3BC1159

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(450 nm-600 nm,optimum wavelength: 450 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,milk,animal tissue,cells,cell culture supernatant
Synonyms	K
Instrument	Microplate reader(450 nm-600 nm,optimum wavelength: 450 nm)
Detection Principle	Under the alkaline condition, the sodium tetraphenylborate reacts with the potassium ions in the sample to form the potassium tetraphenylborate which is white and small particles with small solubility. Potassium tetraphenylborate particles are in a stable suspension state in the solution. The turbidity is proportional to the potassium ion concentration in the sample and potassium content can be calculated indirectly by measuring the OD value at 450 nm.
Reagents	
Labware	Centrifuge, Micropipettor, Vortex mixer
Size	96T
Sensitivity	0.002 mmol/L
Detection Range	0.01-0.80 mmol/L
Recovery Rate	94