

Urea (BUN) Colorimetric Assay Kit (Urease Method)

Cat No: HR3BC1147

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(580 nm)
Assay Time	60 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,urine,saliva,milk
Synonyms	BUN
Instrument	Spectrophotometer(580 nm)
Detection Principle	Urea can be decomposed into ammonia ion and carbon dioxide by urease. Ammonia ion can react with phenol chromogenic agent and form a blue substance in alkaline medium, and the production of the blue substance is proportional to the urea content which can be calculated with the colorimetric assay at 580 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator
Size	100Assays
Sensitivity	0.114 mmol/L
Detection Range	0.114-30 mmol/L
Recovery Rate	102