

Urea (BUN) Colorimetric Assay Kit (Urease Method)

Cat No: HR3BC1214

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(565-595 nm,optimum wavelength: 580 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,urine,saliva,milk
Synonyms	BUN
Instrument	Microplate reader(565-595 nm,optimum wavelength: 580 nm)
Detection Principle	Urea can be decomposed into ammonia ion and carbon dioxide by urease. Ammonia ion can react with amphyI and form a green substance in alkaline medium, and the production of the green 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, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	0.09 mmol/L
Detection Range	0.28-35 mmol/L
Recovery Rate	104