

Uric Acid (UA) Colorimetric Assay Kit

Cat No: HR3BC1111

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(690 nm)
Assay Time	60 min
Validity	3
Assay Type	Quantitative
Sample Type	Serum,plasma,urine
Synonyms	UA
Instrument	Spectrophotometer(690 nm)
Detection Principle	Uric acid can be used as an antioxidant to remove peroxide, hydroxyl and oxygen free radicals, chelate and transfer metal ions, protect vascular endothelial cells from damage. Uric Acid in protein-free filtrate reduce phosphotungstic acid to form tungsten blue, allantoin and carbon dioxide, the depth of blue color is proportional to the concentration of uric acid.
Reagents	Normal saline (0.9% NaCl) or PBS (0.01 M, pH 7.4)
Labware	Vortex mixer, Micropipettor, Centrifuge
Size	100Assays
Sensitivity	0.58 mg/L
Detection Range	0.58-100 mg/L
Recovery Rate	105