

Inorganic Phosphorus (Pi) Colorimetric Assay Kit (Phospho Molybdate)

Cat No: HR3BC1191

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(660 nm)
Assay Time	60 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, tissue
Synonyms	Pi
Instrument	Spectrophotometer(660 nm)
Detection Principle	Inorganic phosphorus react with molybdic acid to produce phosphomolybdic acid. Phosphomolybdic acid can be reduced to molybdenum blue under the action of reducing agent. And the molybdenum blue have a maximum absorption peak at 660 nm. The phosphorus content can be calculated indirectly by measuring the OD value at 660 nm.
Reagents	Normal saline (0.9% NaCl)
Labware	Water bath, Centrifuge, Micropipettor, Vortex mixer
Size	100 Assays
Sensitivity	0.005 mmol/L
Detection Range	0.005-2.0 mmol/L
Recovery Rate	102