

Photsphorus (Pi) Colorimetric Assay Kit (Phospho Molybdate Cat No: HR3BC1233

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(620 nm-690 nm,optimum wavelength: 660 nm)
Assay Time	40 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,tissue
Synonyms	Pi Pi
Instrument	Microplate reader(620 nm-690 nm,optimum wavelength: 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 be measuring the OD value at 660 nm.
Reagents	Normal saline (0.9% NaCl)
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	96T
Sensitivity	0.004 mmol/L
Detection Range	0.004-2.0 mmol/L
Recovery Rate	101