

Alkaline Phosphatase (ALP) Activity Assay Kit

Cat No: HR3BC1133

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(520 nm)
Assay Time	60 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,urine,tissue,cells
Synonyms	ALP
Instrument	Spectrophotometer(520 nm)
Detection Principle	Alkaline phosphatase decompose benzene disodium phosphate to produce free phenol and phosphoric acid. Phenol react with 4-aminopyrline in alkaline solution and oxidizes with potassium ferricyanide to form red quinone derivative. The enzyme activity can be calculated indirectly by measuring the OD value.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	100Assays
Sensitivity	0.2 King unit/100 mL
Detection Range	0.2-55.6 King unit/1
Recovery Rate	99