



Alkaline Phosphatase (ALP) Activity Assay Kit

Cat No: HR3BC1184

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(500-530 nm,optimum wavelength: 520 nm)
Assay Time	30 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,tissue,cells
Synonyms	ALP
Instrument	Microplate reader(500-530 nm,optimum wavelength: 520 nm)
Detection Principle	Alkaline phosphatase decompose benzene disodium phosphate to produce free phenol and phosphoric acid. Phenol react with 4-aminopyrine 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, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	0.13 King unit/100 m
Detection Range	0.13-50 King unit/10
Recovery Rate	94