Acid Phosphatase (ACP) Activity Assay Kit

Cat No: HR3BC1170

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Spectrophotometer(520 nm)
Assay Time	70 min
Validity	3
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,urine,tissue,cells
Synonyms	ACP
Instrument	Spectrophotometer(520 nm)
Detection Principle	Acid phosphatase decomposes disodium phenyl phosphate under acidic conditions to produce free phenol and phosphoric acid. Phenol acts with 4-aminoantipyrine in alkaline solution, and oxidizes to a derivative of red quinone by potassium ferricyanide. The activity of the ACP can be calculated by measuring the OD value at 520 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Incubator, Vortex mixer, Centrifuge
Size	100Assays
Sensitivity	0.27 U/100 mL
Detection Range	0.27-40 U/100 mL
Recovery Rate	100