



Acid Phosphatase (ACP) Activity Assay Kit

Cat No: HR3BC1208

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(510-530 nm,optimum wavelength: 520 nm)
Assay Time	45 min
Validity	3
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,hydrothorax,urine,cells,cell culture supernatant,animal tissue
Synonyms	ACP
Instrument	Microplate reader(510-530 nm,optimum wavelength: 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, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	1.40 U/100 mL
Detection Range	1.40-40 U/100 mL
Recovery Rate	104