

Acid Phosphatase (ACP) Activity Assay Kit

Cat No: HR3BC1291

For research use only

Overview

Detection Method	Colorimetric method
Storage	-20°
Instrument	Microplate reader (400-415 nm, optimum wavelength: 405 nm)
Assay Time	30 min
Validity	3
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, tissue
Synonyms	ACP
Instrument	Microplate reader (400-415 nm, optimum wavelength: 405 nm)
Detection Principle	Disodium p-nitrobenzene phosphate (p-NPP), a widely used phosphatase chromogenic substrate, can form p-nitrophenol under the action of acid phosphatase. Under alkaline conditions, p-nitrophenol is yellow and has a maximum absorption peak at 405 nm. The darker of the yellow product is, the higher of the ACP activity is. Therefore, the activity of ACP can be calculated by measuring the OD value at 405 nm.
Reagents	PBS (0.01 M, pH 7.4)
Labware	Micropipettor, 37° Incubator
Size	96T
Sensitivity	0.2 U/L
Detection Range	0.2-50 U/L
Recovery Rate	