

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 |