CREATIVE BIOMART®
Assay Kit

Alkaline Phosphatase (AKP/ALP) Activity Assay Kit

Product Information

Product Overview

Significance of Measurement: Alkaline Phosphatase (AKP/ALP) is a zinc-containing glycoprotein enzyme widely distributed in human tissues, with high abundance in the liver. It hydrolyzes phosphate monoesters under alkaline conditions.
Principle of Measurement: AKP/ALP catalyzes the hydrolysis of disodium phenyl phosphate to release phenol, which reacts with 4-aminoantipyrine and potassium ferricyanide to form a red quinone derivative. The increase in absorbance at 510 nm is used to calculate enzyme activity.

Size

100t/48s

Storage

Store at 2–8 °C. Shelf life: 6 months.

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

UV–visible spectrophotometer or microplate reader, quartz cuvettes or 96-well plates, benchtop centrifuge, water bath, adjustable pipettes, and distilled water.

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