CREATIVE BIOMART®
Assay Kit

Alkaline Proteinase (AKP) Activity Assay Kit

Product Information

Product Overview

Significance: AKP catalyzes peptide, ester, and amide bond hydrolysis under alkaline conditions and is widely used in pharmaceuticals, silk, food, and leather industries.
Principle: AKP hydrolyzes casein to tyrosine. Tyrosine reduces phosphomolybdate to form blue complex, measured at 680 nm. The absorbance increase rate indicates AKP activity.

Size

100t/48s

Storage

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

Detection method Spectrophotometer/Microplate Reader

Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, micro cuvettes or 96-well plates, water bath, magnetic stirrer, adjustable micropipettes, 0.5 mL microtubes, distilled water.

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