

Datasheet for 0000-05

Alkaline Phosphatase

Overview

Description:	ALKALINE PHOSPHATASE (Calf Intestinal Mucosa) UNCONJUGATED - 0000-05
Item No.:	0000-05
Size:	1 mg
Origin:	Bovine

Product Details

Background:	Alkaline Phosphatase is an enzyme that is key in the hydrolysis of many different types of molecules, resulting in the removal of phosphate groups from said molecule. Most active in basic environments and a common serum analyte, alkaline phosphatase and its isoenzymes are good indicators of bone, liver, and testicular diseases/cancers in immunoassays and diagnostics.
Synonyms:	Alkaline Phosphatase, Intestinal alkaline phosphatase, calf intestine mucosa
Species of Origin:	Bovine
Reagent Type:	Enzyme
Specific Activity:	>6,000 units/mg (unit = hydrolysis of ~6 mM p-nitrophenol phosphate/ minute at 37°C, pH 9.8)

Target Details

Purity/Specificity:	This product was prepared from chromatographically pure alkaline phosphatase (calf intestinal mucosa).
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Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	6mM Tris Chloride, 6mM Magnesium Chloride, 0.12mM Zinc Chloride; pH 7.6
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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