Creative Enzymes
Diagnostic Enzymes

Native Bovine Kidney Alkaline Phosphatase

Product Information

Cat#	NATE-0946
Abbr	ALP, Native (Bovine)
Alias	ALP; ALKP
Similar	ALP
Species	Bovine
Source	Bovine Kidney
Description	Alkaline Phosphatase is a hydrolase enzyme responsible for removing phosphate groups in the 5- and 3- positions from many types of molecules, including nucleotides, proteins, and alkaloids. In humans, alkaline phosphatase is present in all tissues throughout the entire body, but is particularly concentrated in liver, bile duct, kidney, bone, and the placenta. The optimal pH for the enzyme activity is 10.0 in standard conditions.
Form	Freeze dried powder
Enzyme Commission Number	EC 3.1.3.1
Activity	> 750 U/mg solid
CAS No.	9001-78-9
Contaminants	AST/GOT: Based on customer specification gGT: Based on customer specification ALT/GPT: Based on customer specification
Unit Definition	One unit catalyzes the hydrolysis of one micromole of p-nitrophenyl phosphate per minute at 37°C and pH 10.35 in the presence of 2-amino-2-methyl-1-propanol.
Optimum pH	10
Stability	2 years
Storage	Store at -20°C

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Synonyms	Alkaline phosphatase; ALP; ALKP; ALPase; Alk Phos; EC 3.1.3.1; Alkaline phosphomonoesterase; Glycerophosphatase; Phosphomonoesterase

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