

Product:	ALKALINE PHOSPHATASE
Product code:	ALPI8T
E.C. number:	3.1.3.1
CAS number:	9001-78-9
EINECS number:	232-631-4
Systematic name:	Orthophosphoric-monoester phosphohydrolase (alkaline optimum).
Alternative name:	Alkaline phosphomonoesterase; Phosphomonoesterase; Glycerophosphatase.
Source:	Bovine intestinal mucosa.
Form:	A clear, almost colourless solution in 0.03M triethanolamine buffer pH 7.6 containing 3M sodium chloride, 0.005M magnesium chloride and 0.0002M zinc chloride.
Storage conditions:	Store at 2°C to 8°C. <i>DO NOT FREEZE.</i>
Unit definition:	That amount of enzyme causing the hydrolysis of one micromole of <i>p</i> -nitrophenyl phosphate per minute at 37°C and pH 9.8 (diethanolamine buffer).
Specific activity:	Not less than 2600 DEA U/mg protein.
Bovine IgG:	Not detectable.
FPLC analysis:	Greater than 90% pure by molecular exclusion chromatography.
Typical properties:	
Protein Concentration:	10-25 mg/ml (Determined by Biuret procedure).
Available amino groups:	8 - 13 moles amino groups per mole enzyme.
Carbohydrate content:	4.0 – 6.5%.