

Product:	ALKALINE PHOSPHATASE
Product code:	ALPIS1
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 names:	Alkaline phosphomonoesterase; Phosphomonoesterase; Glycerophosphatase.
Source:	Bovine intestinal mucosa
Form:	A freeze-dried material
Storage conditions:	Store desiccated at -15°C or below. Allow to come to room temperature before opening. Before returning to storage, re-desiccate under vacuum over silica gel for a minimum of four hours. Re-seal before returning to -15°C or below.
Unit definition:	That amount of enzyme causing the hydrolysis of one micromole of <i>p</i> -nitrophenol phosphate per minute at 25°C and pH 9.6 (glycine buffer).
Protein concentration: (Biuret)	≥ 0.25 mg protein/mg material
Specific activity:	≤ 5.0 U/mg protein.
Solubility:	Dissolves readily at 5mg/ml in 0.025M glycine containing 10% glycerol, 1mM magnesium chloride, 0.1mM zinc chloride, pH 9.6 to give a clear solution.