Product:	**ALKALINE PHOSPHATASE**
Product code:	**ALPI13G**
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 clear, almost colourless solution in 50% glycerol containing 0.005M Tris/HCI, 0.005M magnesium chloride and 0.0001M zinc chloride, pH approximately 7.0.
Storage conditions:	Store at 2°C to 8°C. *DO NOT FREEZE.*
Unit definition:	*Glycine*: That amount of enzyme causing the hydrolysis of one micromole of *p*-nitrophenol phosphate per minute at 25°C and pH 9.6 (glycine buffer). *DEA*: That amount of enzyme causing the hydrolysis of one micromole of *p*-nitrophenol phosphate per minute at 37°C and pH 9.8 (diethanolamine buffer).
Activity:	Not less than **2500 Glycine U/mg protein** (Equivalent to approximately 7500 DEA U/mg protein).
Bovine IgG:	Not detectable
FPLC analysis:	Greater than 90% pure by molecular exclusion chromatography.

Typical properties

Protein concentration:	10-20 mg/ml (Determined by Biuret procedure.)
Available amino groups:	8 - 13 moles amino groups per mole enzyme
Carbohydrate content:	4.0 – 6.5%