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| Product: | ALKALINE PHOSPHATASE |
| Product code: | ALPI3 |
| 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 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). |
| Activity: | Not less than 20 U/mg material . |
| 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. |