DATA SHEET

Name	Alkaline Phosphatase	
Cat. #	E327	E328
Package, u.a.	100	500
Concentration, u.a./ml	10000	10000

Source	Alkaline Phosphatase mucose
Description	Alkaline phosphatase catalyzes the removal of 5' phosphate groups from DNA, RNA and ribo- and deoxyribonucleoside triphosphates. Applications: - removing 5’ and 3’ phosphoryl groups from nucleic acids; - preparing templates for 5’ end labeling; - preventing fragments from self ligating; - dephosphorylation of proteins
Unit	One unit is the amount of enzyme that hydrolyzes 1 µmol of p-nitrophenylphosphate to p- nitrophenol in a total reaction volume of 1 ml in 1 min at 37°C. Unit Assay Conditions: 1 M diethanolamine-HCl (pH 9.8), 0.5 mM MgCl2 and 10 mM p-nitrophenylphosphate. These conditions are only used for quantitating enzyme activity.
Reaction buffer	**SE-buffer O**, (50 mM Tris-HCl (pH 7.6 at 25°C); 10 mM $MgCl_2$; 100 mM NaCl; 1 mM DTT.)
Optimal temperature	37^{o}C
Storage conditions	50 mM KCl, 10 mM Tris-HCl (pH 8.2), 1 mM $MgCl_2$, 0.1 mM $ZnCl_2$, 50% glycerol. Store at -20°C
Quality control	Purified free of contaminating exonuclease, endonuclease, ribonuclease activities.

GENTAUR

Gentaur Molecular Products
Voortstraat 49
1910 Kampenhout, Belgium