

Alkaline Phosphatase (E.coli)

Code No. BAP-

Lot No. *****

Storage Store at -20°C

Size 100units(111) 100units x5(112)

Source : *Escherichia coli* K12 SW 1033/pK 1-5

Reaction : $\text{PRPO}_3^{2-} + \text{H}_2\text{O} \rightarrow \text{ROH} + \text{HPO}_4^{2-}$

Concentration : * * units/ μl

Unit Definition : One unit is defined as the amount required to hydrolyze 1 μmole p-nitrophenyl phosphate in 1 minute at 25°C in 1 M Tris-HCl buffer pH 8.0.

Storage Buffer : 50 mM Tris-HCl(pH7.5)
50 % Glycerol

Contaminant Assay

1. Nonspecific Endonuclease : When 2 units of this enzyme is incubated with 1 μg of *HindIII* digest of λ -DNA for 16 hours at 37°C in a 50 μl reaction volume, no degradation of the DNA fragments is observed after agarose gel electrophoresis.

2. Nonspecific RNase : When 2 units of this enzyme is incubated with 2 μg of t-RNA for 16 hours at 37°C in a 50 μl reaction volume, no degradation of t-RNA is observed after polyacrylamide gel electrophoresis.