

DOMINIQUE DUTSCHER SAS

Amersham Shrimp Alkaline Phosphatase

Alkaline Phosphatase catalyzes the removal of 5'- and 3'-Phosphate groups from DNA, RNA, Nucleotides and Proteins.

Overview

Alkaline phosphatase is suitable for dephosphorylation of 5' and 3'-overhangs, recessed ends, blunt ends, and single nucleotides. Following incubation, alkaline phosphatase can be easily inactivated by heating.

- Bacterial alkaline phosphatase recombinantly expressed in *E. coli*.
- Active in PCR and restriction endonuclease buffers.
- Inactivated by heating at 75°C for 5 minutes.

Use together with Exonuclease I for cleaning up PCR reactions prior to downstream application such as DNA sequencing.

Unit Definition

One unit is the amount of the enzyme required to dephosphorylate 1 µg of linearized pUC57 DNA termini in 10 minutes at 37°C.

Product specifications

Amersham Shrimp Alkaline Phosphatase, 5000	
Catalog code	E70092X
Includes	10x reaction buffer: 200 mM Tris-HCl, pH 8.0, 100 mM MgCl2; Dilution buffer: 50 mM Tris-HCl, pH 8.0
Activity	1 unit/µl
Purity	The enzyme is purified to apparent homogeneity and is free of all contaminating endonucleases, exonucleases and ribonucleases
Amersham Shrimp Alkaline Phosphatase, 500	
Catalog code	E70092Y
Includes	10x reaction buffer: 200 mM Tris-HCl, pH 8.0, 100 mM MgCl2; Dilution buffer: 50 mM Tris-HCl, pH 8.0
Activity	1 unit/µl
Purity	The enzyme is purified to apparent homogeneity and is free of all contaminating endonucleases, exonucleases and ribonucleases
Amersham Shrimp Alkaline Phosphatase, 1000	
Catalog code	E70092Z
Includes	10x reaction buffer: 200 mM Tris-HCl, pH 8.0, 100 mM MgCl2; Dilution buffer: 50 mM Tris-HCl, pH 8.0
Activity	1 unit/µl
Purity	The enzyme is purified to apparent homogeneity and is free of all contaminating endonucleases, exonucleases and ribonucleases

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