



CERTIFICATE OF ANALYSIS

Source: Calf Intestinal mucosa.

Supplied in:
10 mM Tris-HCl (pH 8.2), 50 mM KCl, 1 M MgCl₂,
0,1 mM ZnCl₂, 50% glycerol.

Unit Definition:
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.

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 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.

Quality Control Assays

Non-specific activity:

Purified free of contaminating exonuclease,
endonuclease, ribonuclease activities.

1 x SEBuffer 0

50 mM Tris-HCl (pH 7.6), 100 mM NaCl,
10 mM MgCl₂, 1 mM DTT.

Reagents Supplied with Enzyme:

10 x SEBuffer 0.

Alkaline
Phosphatase,
Calf
Intestinal



S

E327

100 units
10,000 u/ml

Lot: 18

Exp: 07/20

Store at -20°C



For more details
scan the code

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