



CERTIFICATE OF ANALYSIS

Product **BIOTINYLATED ALKALINE PHOSPHATASE**

Catalog No. B-2005

Amount 1 mg

Lot No. Y1026

Specific activity 2880 units/mg protein. One unit = 1.0 umole of p-nitrophenol liberated from p-nitrophenylphosphate per minute at 37 °C (pH 9.5)

Enzyme biotinylated 99%

Storage 4 °C*

Concentration 1 mg/ml

Solution 10 mM HEPES, 0.15 M NaCl, 1 mM Mg⁺⁺, 1 mM Zn⁺⁺, pH 7.5, 0.08% azide. The enzyme has been stabilized by addition of immunohistochemical grade bovine serum albumin.

Remarks:

*Storage of dilute solutions of the enzyme is not recommended. To maintain maximum enzyme activity during long term storage (>6 months) and to limit denaturation of the enzyme by repeated freeze-thawing, aliquots may be stored at -20 °C until used.

The enzyme may be diluted in HEPES-buffered saline, pH 7.5, 1 mM MgCl₂ containing 1 mg/ml immunohistochemical grade bovine serum albumin (Cat. No. SP-5050).

Recommended concentrations for use: 0.05 - 0.2 units/ml.

Recommended assay conditions: 50 mM sodium bicarbonate, pH 9.5, 40 mM MgCl₂, 1 mg/ml immunohistochemical grade bovine serum albumin (Cat. No. SP-5050), 5 mM p-nitrophenylphosphate (Cat. No. SK-5400), 37 °C.

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