



For research use only

ISO9001

Micrococcal Dual Nuclease

Product	Quantity	Cat. No.	Remarks
Micrococcal Dual Nuclease	500 Kunit	EBT-3026	1 Kunit/ μ l

Description

Micrococcal Dual Nuclease is a non-specific endo/exonuclease that effectively digests both DNA and RNA substrates. The enzyme is active for double-stranded, single-stranded, circular and linear nucleic acids in the pH range of 7-10.

Micrococcal nuclease gene is obtained from *Staphylococcus aureus* and recombinant enzyme is expressed and purified from *E.coli* strain.

Concentration & Storage Condition

1 Kunit/ μ l, Store at -20°C.

10x Reaction Buffer

500 mM Tris-HCl, pH7.9, 50 mM CaCl₂.

Storage Buffer

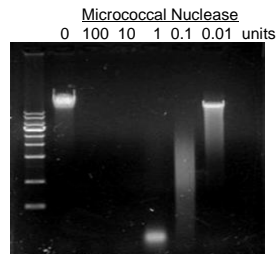
10 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM EDTA and 50% glycerol.

Unit Definition

One unit is defined as the amount of enzyme required to digest 1 μ g of genomic DNA in 15 minutes at 37°C.

QC Tests

Activity, SDS-PAGE purity, performance tests.



1 μ g of genomic DNA was digested with serially diluted Micrococcal Dual Nuclease for 30 min at 37°C, and analyzed on a 0.7% agarose/TAE gel.



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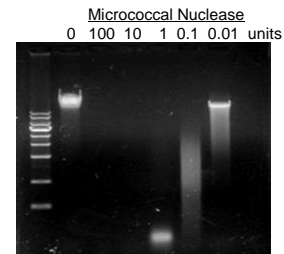
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