

New England Biolabs Certificate of Analysis

Product Name: *Exonuclease T*
Catalog Number: *M0265S*
Concentration: *5,000 U/ml*
Unit Definition: *One unit is defined as the amount of enzyme required to release 1 nmol of single dT nucleotides from FAM-labeled polythymidine substrate in 30 minutes at 25°C in a total reaction volume of 20 µl.*

Packaging Lot Number: *10254021*
Expiration Date: *07/2026*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl , 50 mM KCl , 1 mM DTT , 0.1 mM EDTA , 200 µg/ml BSA , 50 % Glycerol, (pH 7.4 @ 25°C)*

Specification Version: *PS-M0265S/L v1.0*

Exonuclease T Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0265SVIAL	Exonuclease T	10247946	Pass
B7004SVIAL	NEBuffer™ 4	10225682	Pass

Assay Name/Specification	Lot # 10254021
Endonuclease Activity (Nicking) A 50 µl reaction in NEBuffer 4 containing 1 µg of supercoiled PhiX174 DNA and a minimum of 15 units of Exonuclease T incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.	Pass

This product has been tested and shown to be in compliance with all specifications.

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25 Jul 2024



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08 Aug 2024