

## New England Biolabs Certificate of Analysis

**Product Name:** *Exonuclease T*  
**Catalog Number:** *M0265L*  
**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:** *10272941*  
**Expiration Date:** *12/2026*  
**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
M0265LVIAL	Exonuclease T	10268511	Pass
B7004SVIAL	NEBuffer™ 4	10259602	Pass

Assay Name/Specification	Lot # 10272941
<b>Endonuclease Activity (Nicking)</b> 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.	<b>Pass</b>

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

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19 Dec 2024



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