

## 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:** 10077468  
**Expiration Date:** 06/2022  
**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	10077469	Pass
B7004SVIAL	NEBuffer™ 4	10061301	Pass

Assay Name/Specification	Lot # 10077468
<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.	Pass

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



Bo Wu  
Production Scientist  
10 Jul 2020



Michael Tonello  
Packaging Quality Control Inspector  
10 Jul 2020