

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: 10061781
Expiration Date: 12/2021
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	10061782	Pass
B7004SVIAL	NEBuffer™ 4	10061301	Pass

Assay Name/Specification	Lot # 10061781
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.



Bo Wu
Production Scientist
04 Dec 2019



Jay Minichiello
Packaging Quality Control Inspector
13 Jan 2020