

New England Biolabs Certificate of Analysis

Product Name: Nucleoside Digestion Mix
Catalog Number: M0649S
Unit Definition:
Lot Number: 10009225
Expiration Date: 05/2020
Storage Temperature: -20°C
Storage Conditions: 20 mM Tris-HCl, 50 mM NaCl, 1 mM MgCl₂, 2 mM CaCl₂, 2 mM ZnCl₂, 0.6% Glycerol, (pH 7.5 @ 25°C)
Specification Version: PS-M0649S v1.0

Nucleoside Digestion Mix Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0649SVIAL	Nucleoside Digestion Mix	10009224	Pass
B0649SVIAL	10X Nucleoside Digestion Mix Buffer	10009879	Pass

Assay Name/Specification	Lot # 10009225
Functional Testing (Nucleoside Digestion) A 20 µl reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 µl of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete digestion of at least 4 µg of Lambda DNA as determined by liquid chromatography analysis.	Pass
Functional Testing (Nucleoside Digestion) A 20 µl reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 µl of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete dephosphorylation of at least 4 µg of Lambda DNA as determined by liquid chromatography analysis.	Pass
Functional Testing (Nucleoside Digestion) A 20 µl reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 µl of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete digestion of at least 4 µg of a 1.8 kb in vitro transcription product as determined by liquid chromatography analysis.	Pass

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



Alicia Bielik
Production Scientist
29 May 2018



Michael Tonello
Packaging Quality Control Inspector
30 May 2018