

## New England Biolabs Certificate of Analysis

**Product Name:** Nucleoside Digestion Mix  
**Catalog Number:** M0649S  
**Lot Number:** 10036924  
**Expiration Date:** 03/2021  
**Storage Temperature:** -20°C  
**Storage Conditions:** 20 mM Tris-HCl, 50 mM NaCl, 1 mM MgCl<sub>2</sub>, 2 mM CaCl<sub>2</sub>, 2 mM ZnCl<sub>2</sub>, 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	10038333	Pass
B0649SVIAL	10X Nucleoside Digestion Mix Buffer	10036925	Pass

Assay Name/Specification	Lot # 10036924
<b>Functional Testing (Nucleoside Digestion)</b> 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
<b>Functional Testing (Nucleoside Digestion)</b> 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
<b>Functional Testing (Nucleoside Digestion)</b> 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.

*Beth M. Paschal*

---

Beth Paschal  
Production Scientist  
28 Feb 2019

*Michael Tonello*

---

Michael Tonello  
Packaging Quality Control Inspector  
12 Mar 2019