

New England Biolabs Certificate of Analysis

Product Name: Nucleoside Digestion Mix
Catalog Number: M0649S
Packaging Lot Number: 10179338
Expiration Date: 04/2024
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 | 10144167 | Pass |
| B0649SVIAL | 10X Nucleoside Digestion Mix Buffer | 10170120 | Pass |

| Assay Name/Specification | Lot # 10179338 |
|--|----------------|
| Functional Testing (Nucleoside Digestion) (DNA 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) (Phosphatase Activity) 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) (RNA 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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Beth M. Paschal

Beth Paschal
Production Scientist
11 Apr 2022



Josh Hersey
Packaging Quality Control Inspector
17 Feb 2023