Product Name: Nucleoside Digestion Mix
Catalog Number: M0649S
Packaging Lot Number: 10065961
Expiration Date: 02/2022
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

<table>
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<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
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**Assay Name/Specification**

**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.

**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.

**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.

This product has been tested and shown to be in compliance with all specifications.
Beth M. Paschal
Production Scientist
05 Mar 2020

Josh Hersey
Packaging Quality Control Inspector
16 Mar 2020