

New England Biolabs Certificate of Analysis

Product Name: Nucleoside Digestion Mix
Catalog Number: M0649S
Lot Number: 10049703
Expiration Date: 07/2021
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	10049702	Pass
B0649SVIAL	10X Nucleoside Digestion Mix Buffer	10050852	Pass

Assay Name/Specification	Lot # 10049703
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.

Beth M. Paschal

Beth Paschal
Production Scientist
30 Jul 2019

Jay Minichiello

Jay Minichiello
Packaging Quality Control Inspector
06 Aug 2019