

New England Biolabs Product Specification

Product Name: Nucleoside Digestion Mix
Catalog #: M0649S
Concentration: 1 reaction/ μ l
Shelf Life: 24 months
Storage Temp: -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
Effective Date: 20 Dec 2017

Assay Name/Specification (minimum release criteria)

Functional Testing (Nucleoside Digestion) - A 20 μ l reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 μ l of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete digestion of at least 4 μ g of Lambda DNA as determined by liquid chromatography analysis.

Functional Testing (Nucleoside Digestion) - A 20 μ l reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 μ l of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete dephosphorylation of at least 4 μ g of Lambda DNA as determined by liquid chromatography analysis.

Functional Testing (Nucleoside Digestion) - A 20 μ l reaction in 1X Nucleoside Digestion Mix Reaction Buffer containing 1 μ l of Nucleoside Digestion Mix incubated for 1 hour at 37°C results in >99% complete digestion of at least 4 μ g of a 1.8 kb in vitro transcription product as determined by liquid chromatography analysis.



Date 20 Dec 2017

Derek Robinson
Director of Quality Control

