

New England Biolabs Certificate of Analysis

Product Name: *Lambda DNA-Hind III Digest*
Catalog Number: *N3012S*
Concentration: *500 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10062055*
Expiration Date: *12/2021*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version: *PS-N3012S/L v1.0*

Lambda DNA-Hind III Digest Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3012SVIAL	Lambda DNA-Hind III Digest	10062054	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10055731	Pass

Assay Name/Specification	Lot # 10062055
DNA Concentration (A260) The concentration of λ DNA-HindIII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of λ DNA-HindIII Digest incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
Electrophoretic Pattern (Marker) The banding pattern of λ DNA-HindIII Digest on a 1.2% agarose gel shows discrete, clearly identifiable bands at each band of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	Pass
A260/A280 Assay The ratio of UV absorption of λ DNA-HindIII Digest at 260 and 280 nm is between 1.8 and 2.0.	Pass

This product has been tested and shown to be in compliance with all specifications.



Vanessa Mathieu-Sheltry
Production Scientist
11 Dec 2019



Jay Minichiello
Packaging Quality Control Inspector
22 Jan 2020