

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: *10183121*
Expiration Date: *01/2025*
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 | 10177412 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10175293 | Pass |

| Assay Name/Specification | Lot # 10183121 |
|--|----------------|
| 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 |
| 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 |
| 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 |
| 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 |

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.



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01 Feb 2023



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24 Apr 2023