

New England Biolabs Certificate of Analysis

Product Name: *PhiX174 DNA-Hae III Digest*
Catalog Number: *N3026L*
Concentration: *1,000 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10199291*
Expiration Date: *07/2025*
Storage Temperature: *-20°C*
Storage Conditions: *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*
Specification Version: *PS-N3026S/L v1.0*

| PhiX174 DNA-Hae III Digest Component List | | | |
|---|--------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| N3026LVIAL | PhiX174 DNA-Hae III Digest | 10197171 | Pass |
| B7025SVIAL | Gel Loading Dye, Purple (6X), no SDS | 10175293 | Pass |

| Assay Name/Specification | Lot # 10199291 |
|--|----------------|
| A260/A280 Assay The ratio of UV absorption of ϕ X174 DNA-Hae III Digest at 260 and 280 nm is between 1.8 and 2.0. | Pass |
| DNA Concentration (A260) The concentration of ϕ X174 DNA-Hae III Digest is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm. | Pass |
| Electrophoretic Pattern (Marker) The banding pattern of ϕ X174 DNA-Hae III Digest on a 3% 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 5 µg of ϕ X174 DNA-Hae III 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.

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01 Jul 2023



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05 Jul 2023