

New England Biolabs Certificate of Analysis

Product Name: Φ X174 DNA-Hae III Digest
Catalog #: N3026S/L
Concentration: 1,000 μ g/ml
Unit Definition: N/A
Lot #: 2421708
Assay Date: 08/2017
Expiration Date: 8/2019
Storage Temp: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3026S/L v1.0
Effective Date: 26 Apr 2016

| Assay Name/Specification (minimum release criteria) | Lot #2421708 |
|---|--------------|
| 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 μ g/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 μ g/ml. | Pass |
| Non-Specific DNase Activity (DNA, 16 hour) - A 50 μ l reaction in 1X NEBuffer 2 containing 5 μ g 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 |



Authorized by
Derek Robinson
26 Apr 2016



Inspected by
Vanessa Mathieu-Sheltry
08 Aug 2017

