

New England Biolabs Certificate of Analysis

Product Name: *PhiX174 DNA-Hae III Digest*
Catalog Number: *N3026S*
Concentration: *1,000 µg/ml*
Unit Definition: *N/A*
Packaging Lot Number: *10165070*
Expiration Date: *08/2024*
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
N3026SVIAL	PhiX174 DNA-Hae III Digest	10160259	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10158560	Pass

Assay Name/Specification	Lot # 10165070
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
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
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.

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.



Vanessa Mathieu-Sheltry
Production Scientist
03 Aug 2022



Josh Hersey
Packaging Quality Control Inspector
07 Oct 2022