

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*
Lot Number: *10051015*
Expiration Date: *08/2021*
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	10051016	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10036377	Pass

Assay Name/Specification	Lot # 10051015
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.



Doreen Duquette
Production Scientist
13 Mar 2019



Michael Tonello
Packaging Quality Control Inspector
15 Aug 2019