

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: *10009676*
Expiration Date: *05/2020*
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	10009679	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10014371	Pass

Assay Name/Specification	Lot # 10009676
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.



Vanessa Mathieu-Sheltry
Production Scientist
24 May 2018



Michael Tonello
Packaging Quality Control Inspector
13 Aug 2018