

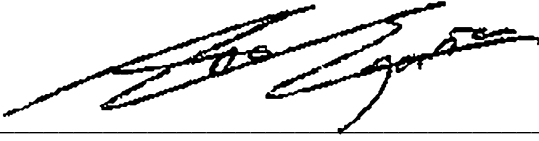
## New England Biolabs Certificate of Analysis

**Product Name:** *PhiX174 DNA-Hae III Digest*  
**Catalog Number:** *N3026L*  
**Concentration:** *1,000 µg/ml*  
**Unit Definition:** *N/A*  
**Packaging Lot Number:** *10069822*  
**Expiration Date:** *03/2022*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*  
**Specification Version:** *PS-N3026S/L v1.0*

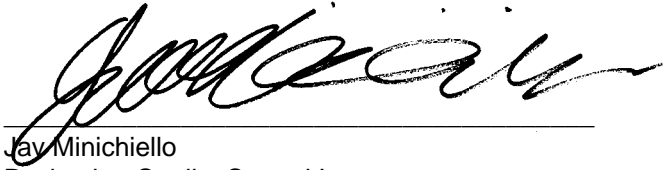
PhiX174 DNA-Hae III Digest Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3026LVIAL	PhiX174 DNA-Hae III Digest	10069820	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10064407	Pass

Assay Name/Specification	Lot # 10069822
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of φX174 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
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of φX174 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
<b>DNA Concentration (A260)</b> The concentration of φX174 DNA-Hae III Digest is between 1000 and 1050 µg/ml as determined by UV absorption at 260 nm.	Pass
<b>A260/A280 Assay</b> The ratio of UV absorption of φX174 DNA-Hae III Digest at 260 and 280 nm is between 1.8 and 2.0.	Pass

This product has been tested and shown to be in compliance with all specifications.



Ana Egana  
Production Scientist  
02 Apr 2020



Jay Minichiello  
Packaging Quality Control Inspector  
02 Apr 2020