

## New England Biolabs Certificate of Analysis

**Product Name:** *ΦX174 DNA-Hae III Digest*  
**Catalog #:** *N3026S/L*  
**Concentration:** *1,000 µg/ml*  
**Unit Definition:** *N/A*  
**Lot #:** *2431803*  
**Assay Date:** *03/2018*  
**Expiration Date:** *03/2020*  
**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:** *07 Aug 2017*

Assay Name/Specification (minimum release criteria)	Lot #2431803
<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.	<b>Pass</b>
<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.	<b>Pass</b>
<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.	<b>Pass</b>
<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.	<b>Pass</b>



Authorized by  
Derek Robinson  
07 Aug 2017



Inspected by  
Vanessa Mathieu-Sheltry  
06 Mar 2018

