

## 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:** *10036576*  
**Expiration Date:** *02/2021*  
**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	10036577	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021090	Pass

Assay Name/Specification	Lot # 10036576
<b>A260/A280 Assay</b> The ratio of UV absorption of $\phi$ X174 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 $\phi$ X174 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 $\phi$ 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.	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of $\phi$ 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.	<b>Pass</b>

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



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Doreen Duquette  
Production Scientist  
04 Feb 2019



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Michael Tonello  
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14 Mar 2019