**Product Name:** \( \lambda \) DNA-HindIII Digest  
**Catalog #:** N3012S/L  
**Concentration:** 500 µg/ml  
**Unit Definition:** N/A  
**Lot #:** 1811709  
**Assay Date:** 09/2017  
**Expiration Date:** 9/2019  
**Storage Temp:** -20°C  
**Storage Conditions:** 10 mM Tris-HCl (pH 8.0), 1 mM EDTA  
**Specification Version:** PS-N3012S/L v1.0  
**Effective Date:** 28 Mar 2017

<table>
<thead>
<tr>
<th>Assay Name/Specification (minimum release criteria)</th>
<th>Lot #1811709</th>
</tr>
</thead>
<tbody>
<tr>
<td>A260/A280 Assay - The ratio of UV absorption of ( \lambda ) DNA-HindIII Digest at 260 and 280 nm is between 1.8 and 2.0.</td>
<td>Pass</td>
</tr>
<tr>
<td>DNA Concentration (A260) - The concentration of ( \lambda ) DNA-HindIII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.</td>
<td>Pass</td>
</tr>
<tr>
<td>Electrophoretic Pattern (Marker) - The banding pattern of ( \lambda ) DNA-HindIII Digest on a 1.2% 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.</td>
<td>Pass</td>
</tr>
<tr>
<td>Non-Specific DNase Activity (DNA, 16 hour) - A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of ( \lambda ) DNA-HindIII Digest incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**Authorized by**  
Derek Robinson  
28 Mar 2017

**Inspected by**  
Vanessa Mathieu-Sheltry  
19 Sep 2017