Lambda DNA-Hind III Digest Component List

<table>
<thead>
<tr>
<th>NEB Part Number</th>
<th>Component Description</th>
<th>Lot Number</th>
<th>Individual QC Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>N3012SVIAL</td>
<td>Lambda DNA-Hind III Digest</td>
<td>10025692</td>
<td>Pass</td>
</tr>
<tr>
<td>B7025SVIAL</td>
<td>Gel Loading Dye, Purple (6X), no SDS</td>
<td>10021091</td>
<td>Pass</td>
</tr>
</tbody>
</table>

Assay Name/Specification

- **Electrophoretic Pattern (Marker)**
  The banding pattern of λ 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.
  
  **Pass**

- **DNA Concentration (A260)**
  The concentration of λ DNA-HindIII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.
  
  **Pass**

- **Non-Specific DNase Activity (DNA, 16 hour)**
  A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of λ 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.
  
  **Pass**

- **A260/A280 Assay**
  The ratio of UV absorption of λ DNA-HindIII 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.
Vanessa Mathieu-Sheltry  
Production Scientist  
16 Oct 2018

Michael Tonello  
Packaging Quality Control Inspector  
18 Dec 2018