

## New England Biolabs Certificate of Analysis

*Product Name:*  $\lambda$  DNA-BstEII Digest  
*Catalog #:* N3014S/L  
*Concentration:* 500  $\mu\text{g/ml}$   
*Unit Definition:* N/A  
*Lot #:* 0821612  
*Assay Date:* 12/2016  
*Expiration Date:* 12/2018  
*Storage Temp:* -20°C  
*Storage Conditions:* 10 mM Tris-HCl (pH 8.0), 1 mM EDTA  
*Specification Version:* PS-N3014S/L v1.0  
*Effective Date:* 15 Jul 2014

Assay Name/Specification (minimum release criteria)	Lot #0821612
<b>A260/A280 Assay</b> - The ratio of UV absorption of $\lambda$ DNA-BstEII Digest at 260 and 280 nm is between 1.8 and 2.0.	<b>Pass</b>
<b>DNA Concentration (A260)</b> - The concentration of $\lambda$ DNA-BstEII Digest is between 500 and 550 $\mu\text{g/ml}$ as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Electrophoretic Pattern (Marker)</b> - The banding pattern of $\lambda$ DNA-BstEII 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 $\mu\text{g/ml}$ .	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> - A 50 $\mu\text{l}$ reaction in 1X NEBuffer 2 containing 2.5 $\mu\text{g}$ of $\lambda$ DNA-BstEII 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  
15 Jul 2014



Inspected by  
Vanessa Mathieu-Sheltry  
30 Dec 2016

