

## New England Biolabs Certificate of Analysis

**Product Name:** *Lambda DNA-BstE II Digest*  
**Catalog Number:** *N3014S*  
**Concentration:** *500 µg/ml*  
**Unit Definition:** *N/A*  
**Packaging Lot Number:** *10194196*  
**Expiration Date:** *05/2025*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*  
**Specification Version:** *PS-N3014S/L v1.0*

Lambda DNA-BstE II Digest Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3014SVIAL	Lambda DNA-BstE II Digest	10191416	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10167589	Pass

Assay Name/Specification	Lot # 10194196
<b>A260/A280 Assay</b> The ratio of UV absorption of λ 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 λ DNA-BstEII Digest is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	<b>Pass</b>
<b>Electrophoretic Pattern (Marker)</b> The banding pattern of λ 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 µg/ml.	<b>Pass</b>
<b>Non-Specific DNase Activity (DNA, 16 hour)</b> A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of λ 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>

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

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11 May 2023



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