

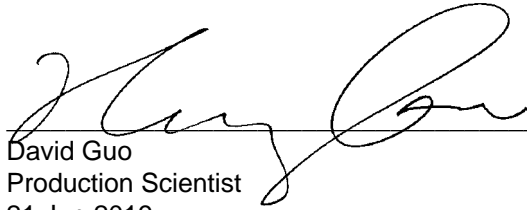
## New England Biolabs Certificate of Analysis

**Product Name:** *pBR322 DNA-BstNI Digest*  
**Catalog Number:** *N3031L*  
**Concentration:** *1,000 µg/ml*  
**Unit Definition:** *N/A*  
**Packaging Lot Number:** *10054987*  
**Expiration Date:** *09/2021*  
**Storage Temperature:** *-20°C*  
**Storage Conditions:** *10 mM Tris-HCl (pH 8.0), 1 mM EDTA*  
**Specification Version:** *PS-N3031S/L v1.0*

pBR322 DNA-BstNI Digest Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3031LVIAL	pBR322 DNA-BstNI Digest	10054989	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10046078	Pass

Assay Name/Specification	Lot # 10054987
<b>A260/A280 Assay</b> The ratio of UV absorption of pBR322 DNA-BstNI Digest at 260 and 280 nm is between 1.8 and 2.0.	<b>Pass</b>
<b>DNA Concentration (A260)</b> The concentration of pBR322 DNA-BstNI 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 pBR322 DNA-BstNI 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 pBR322 DNA-BstNI 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.



David Guo  
Production Scientist  
21 Jun 2019



Michael Tonello  
Packaging Quality Control Inspector  
12 Nov 2019