

## New England Biolabs Certificate of Analysis

**Product Name:** pBR322 DNA-BstNI Digest  
**Catalog Number:** N3031L  
**Concentration:** 1,000 µg/ml  
**Unit Definition:** N/A  
**Lot Number:** 10050257  
**Expiration Date:** 07/2021  
**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	10050256	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10036377	Pass

Assay Name/Specification	Lot # 10050257
<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.	Pass
<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.	Pass
<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.	Pass
<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.	Pass

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



Doreen Duquette  
Production Scientist  
13 Mar 2019



Michael Tonello  
Packaging Quality Control Inspector  
07 Aug 2019