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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

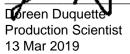
Assay Name/Specification	Lot # 10050257
A260/A280 Assay The ratio of UV absorption of pBR322 DNA-BstNI Digest at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of pBR322 DNA-BstNI Digest is between 1000 and 1050 μg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern (Marker) 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
Non-Specific DNase Activity (DNA, 16 hour) 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.



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Michael Tonello

07 Aug 2019

Packaging Quality Control Inspector

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