

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: *10238589*
Expiration Date: *04/2026*
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	10217212	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10221491	Pass

Assay Name/Specification	Lot # 10238589
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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02 Apr 2024



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03 Apr 2024