

New England Biolabs Certificate of Analysis

Product Name: pBR322 DNA-BstNI Digest
Catalog Number: N3031S
Concentration: 1,000 µg/ml
Unit Definition: N/A
Lot Number: 10019538
Expiration Date: 08/2020
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
N3031SVIAL	pBR322 DNA-BstNI Digest	10019539	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10014371	Pass

Assay Name/Specification	Lot # 10019538
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.



Tony Spear-Alfonso
Production Scientist
08 Aug 2018



Michael Tonello
Packaging Quality Control Inspector
27 Aug 2018