NEW ENGLAND BioLabs Inc.

be INSPIRED
drive DISCOVERY
stay GENUINE

240 County Road
Ipswich, MA 01938-2723

Tel 978-927-5054
Fax 978-921-1350

www.neb.com
info@neb.com

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:	*10121535*
Expiration Date:	*09/2023*
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	10121536	**Pass**
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10093119	**Pass**

Assay Name/Specification	Lot # 10121535
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**
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**
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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

nqa. ISO 9001 Registered Quality Management

nqa. ISO 13485 Registered Medical Devices

nqa. ISO 14001 Registered Environmental Management

Vanessa Mathieu-Sheltry
Production Scientist
22 Oct 2021

Michael Tonello
Packaging Quality Control Inspector
22 Oct 2021