

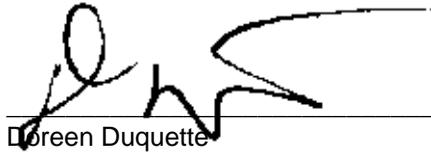
## New England Biolabs Certificate of Analysis

**Product Name:** BstNI  
**Catalog Number:** R0168S  
**Concentration:** 10,000 U/ml  
**Unit Definition:** One unit is defined as the amount of enzyme required to digest 1 µg of Lambda DNA in 1 hour at 60°C in a total reaction volume of 50 µl.  
**Lot Number:** 10052724  
**Expiration Date:** 08/2021  
**Storage Temperature:** -20°C  
**Storage Conditions:** 50 mM KCl, 10 mM Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, 50% Glycerol, 200 µg/ml BSA  
**Specification Version:** PS-R0168S/L v1.0

BstNI Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
R0168SVIAL	BstNI	10052726	Pass
B7203SVIAL	NEBuffer™ 3.1	10052508	Pass

Assay Name/Specification	Lot # 10052724
<b>Non-Specific DNase Activity (16 Hour)</b> A 50 µl reaction in NEBuffer 3.1 containing 1 µg of Lambda DNA and a minimum of 30 Units of BstNI incubated for 16 hours at 60°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
<b>Ligation and Recutting (Terminal Integrity)</b> After a 2-fold over-digestion of Lambda DNA with BstNI, 95% can be recut with BstNI.	Pass
<b>Exonuclease Activity (Radioactivity Release)</b> A 50 µl reaction in NEBuffer 3.1 containing 1 µg of a mixture of single and double-stranded [ <sup>3</sup> H] E. coli DNA and a minimum of 50 units of BstNI incubated for 4 hours at 60°C releases <0.1% of the total radioactivity.	Pass

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



Doreen Duquette  
Production Scientist  
12 Aug 2019



Jay Minichiello  
Packaging Quality Control Inspector  
03 Sep 2019