

New England Biolabs Certificate of Analysis

Product Name: BsaXI
Catalog #: R0609S/L
Concentration: 2,000 units/ml
Unit Definition: One unit is defined as the amount of enzyme required to digest 1 µg of Lambda DNA in 1 hour at 37°C in a total reaction volume of 50 µl.
Lot #: 0171605
Assay Date: 05/2016
Expiration Date: 05/2018
Storage Temp: -20°C
Storage Conditions: 500 mM NaCl, 10 mM Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, 50% Glycerol, 0.10% Triton X-100
Specification Version: PS-R0609S/L v1.0
Effective Date: 18 May 2016

Assay Name/Specification (minimum release criteria)	Lot #0171605
Exonuclease Activity (Radioactivity Release) - A 50 µl reaction in CutSmart™ Buffer containing 1 µg of a mixture of single and double-stranded [³ H] <i>E. coli</i> DNA and a minimum of 20 units of BsaXI incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Non-Specific DNase Activity (16 Hour) - A 50 µl reaction in CutSmart™ Buffer containing 1 µg of Lambda DNA and a minimum of 2 Units of BsaXI incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass



Authorized by
Derek Robinson
18 May 2016



Inspected by
Anthony Francis
25 May 2016

