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New England Biolabs Certificate of Analysis

Product Name: Bsal
Catalog Number: R0535L
Concentration: 10,000 U/ml

Unit Definition: One unit is defined as the amount of enzyme required to digest 1 µg

of pXba DNA in 1 hour at 37°C in a total reaction volume of 50 μl.

Packaging Lot Number: 10086217 Expiration Date: 08/2022 Storage Temperature: -20°C

Storage Conditions: 200 mM NaCl, 10 mM Tris-HCl (pH 7.4), 1 mM DTT, 0.1 mM EDTA, 50%

Glycerol, 200 µg/ml BSA

Specification Version: PS-R0535S/L v2.0

Bsal Component List				
NEB Part Number	Component Description	Lot Number	Individual QC Result	
R0535LVIAL	Bsal	10081425	Pass	
B7204SVIAL	CutSmart® Buffer	10089403	Pass	
B7024SVIAL	Gel Loading Dye, Purple (6X)	10084974	Pass	

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Assay Name/Specification	Lot # 10086217
Endonuclease Activity (Nicking)	Pass
A 50 µl reaction in CutSmart™ Buffer containing 1 µg of supercoiled PhiX174 DNA and	
a minimum of 10 units of Bsal incubated for 4 hours at 37°C results in <20%	
conversion to the nicked form as determined by agarose gel electrophoresis.	

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.

Penghua Zhang Production Scientist

29 Nov 2020

Josh Hersey

Packaging Quality Control Inspector

29 Nov 2020

