

New England Biolabs Certificate of Analysis

Product Name: *Nb.BbvCI*
Catalog Number: *R0631L*
Concentration: *10,000 U/ml*
Unit Definition: *One unit is defined as the amount of enzyme required to convert 1 µg of supercoiled pUB DNA to open circular form in 1 hour at 37°C in a total reaction volume of 50 µl.*
Packaging Lot Number: *10082065*
Expiration Date: *09/2022*
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-R0631S/L v2.0*

Nb.BbvCI Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
R0631LVIAL	Nb.BbvCI	10082064	Pass
B7204SVIAL	CutSmart® Buffer	10078752	Pass

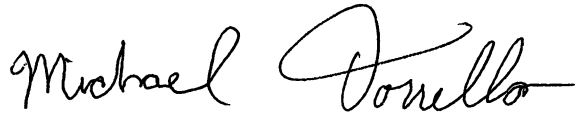
Assay Name/Specification	Lot # 10082065
Exonuclease Activity (Radioactivity Release) A 50 µl reaction in CutSmart™ Buffer containing 1 µg of a mixture of single and double-stranded [³ H] E. coli DNA and a minimum of 30 units of Nb.BbvCI incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	Pass
Non-Specific DNase Activity (16 hour) A 50 µl reaction in CutSmart™ Buffer containing 1 µg of pUB DNA and a minimum of 10 units of Nb.BbvCI incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis. NOTE: although no nuclease degradation is detected under these conditions, extended incubations and/or high concentrations of this enzyme may result in star activity. See the product FAQ for recommended reaction conditions for this enzyme.	Pass

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

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28 Aug 2020



Michael Tonello
Packaging Quality Control Inspector
28 Aug 2020