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New England Biolabs Certificate of Analysis

Product Name: Endonuclease V

Catalog Number: M0305S Concentration: 10,000 U/ml

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

pmol of a 34-mer oligonucleotide duplex containing a single deoxyinosine site in a total reaction volume of 10 µl in 1 hour at

37°C.

Packaging Lot Number: 10100175
Expiration Date: 03/2023
Storage Temperature: -20°C

Storage Conditions: 10 mM Tris-HCl, 250 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 50% Glycerol,

0.15% Triton®X-100, 200 μg/ml BSA, (pH 7.4 @ 25°C)

Specification Version: PS-M0305S/L v1.0

Endonuclease V Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0305SVIAL	Endonuclease V	10100176	Pass
B7004SVIAL	NEBuffer™ 4	10089408	Pass

Assay Name/Specification	Lot # 10100175
Protein Purity Assay (SDS-PAGE)	Pass
Endonuclease V is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	
Exonuclease Activity (Radioactivity Release)	Pass
A 50 µl reaction in NEBuffer 1 containing 1 µg of a mixture of single and	
double-stranded [3H] E. coli DNA and a minimum of 10 units of Endonuclease V	
incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.	

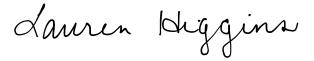
This product has been tested and shown to be in compliance with all specifications.

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Lauren Higgins Production Scientist 11 Mar 2021 Michael Tonello

Packaging Quality Control Inspector

11 Mar 2021