

240 County Road Ipswich, MA 01938-2723

Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

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: 10186768
Expiration Date: 03/2025
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	10181519	Pass	
B7004SVIAL	NEBuffer™ 4	10161527	Pass	

Assay Name/Specification	Lot # 10186768
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.	
Protein Purity Assay (SDS-PAGE)	Pass
Endonuclease V is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue	
detection.	

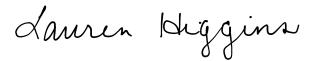
This product has been tested and shown to be in compliance with all specifications.

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.



M0305S / Lot: 10186768

Page 1 of 2



Lauren Sears Higgins Production Scientist 03 Apr 2023 Michael Tonello

Packaging Quality Control Inspector

04 Apr 2023