

## 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
<b>Exonuclease Activity (Radioactivity Release)</b> A 50 µl reaction in NEBuffer 1 containing 1 µg of a mixture of single and double-stranded [ <sup>3</sup> H] 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.	Pass
<b>Protein Purity Assay (SDS-PAGE)</b> Endonuclease V is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass

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](http://www.neb.com/trademarks) for additional information.

*Lauren Higgins*

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Lauren Sears Higgins  
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03 Apr 2023

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
04 Apr 2023