

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: 10159635
Expiration Date: 08/2024
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	10159634	Pass
B7004SVIAL	NEBuffer™ 4	10161527	Pass

Assay Name/Specification	Lot # 10159635
Exonuclease Activity (Radioactivity Release) A 50 µl reaction in NEBuffer 1 containing 1 µg of a mixture of single and double-stranded [³ 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
Protein Purity Assay (SDS-PAGE) 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 for additional information.

Lauren Higgins

Lauren Higgins
Production Scientist
31 Aug 2022

Erin Varney

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Packaging Quality Control Inspector
31 Aug 2022