

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: 10088842
Expiration Date: 02/2022
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	10065409	Pass
B7004SVIAL	NEBuffer™ 4	10074983	Pass

Assay Name/Specification	Lot # 10088842
Protein Purity Assay (SDS-PAGE) Endonuclease V is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.	Pass
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

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
28 Nov 2020



Josh Hersey
Packaging Quality Control Inspector
28 Nov 2020