

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: 10065410
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	10061301	Pass

Assay Name/Specification	Lot # 10065410
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.

Lauren Higgins

Lauren Sears Higgins
Production Scientist
30 Jan 2020

Jay Minichiello

Jay Minichiello
Packaging Quality Control Inspector
04 Mar 2020