

New England Biolabs Certificate of Analysis

Product Name: Mung Bean Nuclease
Catalog Number: M0250S
Concentration: 10,000 U/ml
Unit Definition: One unit is defined as the amount of enzyme required to produce 1 µg of acid-soluble total nucleotide in a total reaction volume of 50 µl in 1 minute at 37°C in 1X Mung Bean Nuclease Reaction Buffer with 0.5 mg/ml denatured Calf Thymus DNA.
Packaging Lot Number: 10103409
Expiration Date: 11/2022
Storage Temperature: -20°C
Storage Conditions: 10 mM Sodium Acetate, 0.1 mM Zinc Acetate, 1 mM Cysteine, 0.001% Triton®X-100, 50% Glycerol, (pH 5.0 @ 25°C)
Specification Version: PS-M0250S/L v1.0

Mung Bean Nuclease Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0250SVIAL	Mung Bean Nuclease	10089433	Pass
B0250SVIAL	Mung Bean Nuclease Reaction Buffer	10097235	Pass

Assay Name/Specification	Lot # 10103409
Double Stranded DNase Activity (HaeIII Digested DNA) A 400 µl reaction in NEBuffer 2 containing 16 µg of HaeIII digested PhiX174 DNA and 10 units of Mung Bean Nuclease is incubated for 30 minutes at 30°C. The DNA is then ligated with T4 DNA Ligase resulting in 90% ligation of the DNA fragments. Of these ligated fragments 95% can be recut with HaeIII.	Pass

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

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Bhairavi Jani
Production Scientist
17 Mar 2021



Michael Tonello
Packaging Quality Control Inspector
17 Mar 2021