

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: *10054611*
Expiration Date: *12/2021*
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	10054612	Pass
B0250SVIAL	Mung Bean Nuclease Reaction Buffer	10020227	Pass

Assay Name/Specification	Lot # 10054611
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.

Dongxian Yue

Dongxian Yue
Production Scientist
14 Mar 2019

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
05 Dec 2019