

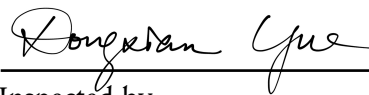
## New England Biolabs Certificate of Analysis

*Product Name:* Mung Bean Nuclease  
*Catalog #:* M0250S/L  
*Concentration:* 10,000 units/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.  
*Lot #:* 0251712  
*Assay Date:* 12/2017  
*Expiration Date:* 12/2019  
*Storage Temp:* -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  
*Effective Date:* 18 Jun 2018

Assay Name/Specification (minimum release criteria)	Lot #0251712
<b>Double Stranded DNase Activity (HaeIII Digested DNA)</b> - 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.	<b>Pass</b>



Authorized by  
Derek Robinson  
18 Jun 2018



Inspected by  
Dongxian Yue  
06 Dec 2017

