

New England Biolabs Certificate of Analysis

Product Name: NEBNext® dsDNA Fragmentase®
Catalog Number: M0348L
Packaging Lot Number: 10177622
Expiration Date: 03/2024
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl, 50 mM NaCl, 0.1 mM EDTA, 50 % Glycerol, 0.15 % Triton®X-100, 200 µg/ml BSA, (pH 7.5 @ 25°C)
Specification Version: PS-M0348S/L v1.0

| NEBNext® dsDNA Fragmentase® Component List | | | |
|--|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| M0348AAVIAL | NEBNext® dsDNA Fragmentase® | 10161237 | Pass |
| B0511AAVIAL | MgCl ₂ Solution (200 mM) | 10161239 | Pass |
| B0349AAVIAL | NEBNext® dsDNA Fragmentase® Reaction Buffer v2 | 10161238 | Pass |

| Assay Name/Specification | Lot # 10177622 |
|--|----------------|
| Phosphatase Activity (pNPP) A 200 µl reaction in 1M Diethanolamine, pH 9.8, 0.5 mM MgCl ₂ containing 2.5 mM p-Nitrophenyl Phosphate (pNPP) and a minimum of 10 µl of NEBNext® dsDNA Fragmentase® incubated for 4 hours at 37°C yields <0.00001 unit of alkaline phosphatase activity as determined by spectrophotometric analysis. | Pass |
| Protease Activity (SDS-PAGE) A 20 µl reaction in 1X NEBNext® dsDNA Fragmentase Reaction Buffer containing 24 µg of a standard mixture of proteins and a minimum of 10 µl of NEBNext® dsDNA Fragmentase® incubated for 20 hours at 37°C, results in no detectable degradation of the protein mixture as determined by SDS-PAGE with Coomassie Blue detection. | Pass |
| Protein Purity Assay (SDS-PAGE) NEBNext® dsDNA Fragmentase® 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.

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.

Christine Sumner

Christine Sumner
Production Scientist
10 Jan 2023

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
10 Jan 2023