

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Fast DNA Fragmentation and Library Prep Set for Ion Torrent™
Catalog Number: E6285L
Lot Number: 10045153
Expiration Date: 06/2020
Storage Temperature: -20°C
Specification Version: PS-E6285S/L v1.0

| NEBNext® Fast DNA Fragmentation and Library Prep Set for Ion Torrent™ Component List | | | |
|--|--|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| E6625AAVIAL | NEBNext® Q5® Hot Start HiFi PCR Master Mix | 10032221 | Pass |
| E6299AAVIAL | TE Buffer | 10032219 | Pass |
| E6296AAVIAL | T4 DNA Ligase Buffer for Ion Torrent™ | 10032218 | Pass |
| E6295AAVIAL | Magnesium Chloride (MgCl ₂) (200 mM) | 10032213 | Pass |
| E6294AAVIAL | NEBNext® Stop Buffer | 10032214 | Pass |
| E6291AAVIAL | NEBNext® DNA Library Primers for Ion Torrent™ | 10032211 | Pass |
| E6290AAVIAL | NEBNext® DNA Library Adaptors for Ion Torrent™ | 10032216 | Pass |
| E6288AAVIAL | T4 DNA Ligase | 10032212 | Pass |
| E6287AAVIAL | NEBNext® DNA Fragmentation Reaction Buffer | 10032215 | Pass |
| E6286AAVIAL | NEBNext® DNA Fragmentation Master Mix | 10032217 | Pass |
| E6277AAVIAL | Bst 2.0 WarmStart® DNA Polymerase | 10032220 | Pass |

| Assay Name/Specification | Lot # 10045153 |
|--|-------------------------|
| <p>Functional Testing (Library Construction, Ion Torrent™) Each set of reagents is functionally validated and compared to a previous lot through construction of libraries made from commercially available genomic DNA, using the kit's minimum and maximum input requirements. Libraries made from previous and current lots for both input DNA amounts are sequenced on the Ion Torrent™ platform and compared across various metrics including library yield, fraction of reads aligning to the reference, and insert size.</p> <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext® Fast DNA Fragmentation & Library Prep Set for Ion Torrent™ and meet the designated specifications.</p> | <p>Pass</p> <p>Pass</p> |

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



Christine Sumner
Production Scientist
14 May 2019



Michael Tonello
Packaging Quality Control Inspector
14 May 2019