

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Fast DNA Fragmentation and Library Prep Set for Ion
Torrent™

Catalog Number: E6285L

Packaging Lot Number: 10210645

Expiration Date: 02/2025

Storage Temperature: -20°C

Specification Version: PS-E6285L v2.0

NEBNext® Fast DNA Fragmentation and Library Prep Set for Ion Torrent™ Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6629AAVIAL	NEBNext® Q5® Hot Start HiFi PCR Master Mix	10202017	Pass
E6299AAVIAL	TE Buffer	10202015	Pass
E6296AAVIAL	T4 DNA Ligase Buffer for Ion Torrent™	10202014	Pass
E6295AAVIAL	Magnesium Chloride (MgCl ₂) (200 mM)	10202007	Pass
E6294AAVIAL	NEBNext® Stop Buffer	10202009	Pass
E6291AAVIAL	NEBNext® DNA Library Primers for Ion Torrent™	10202003	Pass
E6290AAVIAL	NEBNext® DNA Library Adaptors for Ion Torrent™	10202012	Pass
E6288AAVIAL	T4 DNA Ligase	10202005	Pass
E6287AAVIAL	NEBNext® DNA Fragmentation Reaction Buffer	10202011	Pass
E6286AAVIAL	NEBNext® DNA Fragmentation Master Mix	10202013	Pass
E6277AAVIAL	Bst 2.0 WarmStart® DNA Polymerase	10202016	Pass

Assay Name/Specification	Lot # 10210645
<p>* Individual Product Component Note</p> <p>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>	Pass
<p>Functional Testing (Library Construction, Ion Torrent™)</p> <p>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>	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
Production Scientist
22 Sep 2023



Josh Hersey
Packaging Quality Control Inspector
22 Sep 2023