

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Fast DNA Fragmentation and Library Prep Set for Ion Torrent<sup>™</sup>  
**Catalog Number:** E6285L  
**Packaging Lot Number:** 10201252  
**Expiration Date:** 11/2024  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E6285L v2.0

NEBNext <sup>®</sup> Fast DNA Fragmentation and Library Prep Set for Ion Torrent <sup>™</sup> Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6629AAVIAL	NEBNext <sup>®</sup> Q5 <sup>®</sup> Hot Start HiFi PCR Master Mix	10201263	Pass
E6299AAVIAL	TE Buffer	10201261	Pass
E6296AAVIAL	T4 DNA Ligase Buffer for Ion Torrent <sup>™</sup>	10201260	Pass
E6295AAVIAL	Magnesium Chloride (MgCl <sub>2</sub> ) (200 mM)	10201255	Pass
E6294AAVIAL	NEBNext <sup>®</sup> Stop Buffer	10201256	Pass
E6291AAVIAL	NEBNext <sup>®</sup> DNA Library Primers for Ion Torrent <sup>™</sup>	10201253	Pass
E6290AAVIAL	NEBNext <sup>®</sup> DNA Library Adaptors for Ion Torrent <sup>™</sup>	10201258	Pass
E6288AAVIAL	T4 DNA Ligase	10201254	Pass
E6287AAVIAL	NEBNext <sup>®</sup> DNA Fragmentation Reaction Buffer	10208722	Pass
E6286AAVIAL	NEBNext <sup>®</sup> DNA Fragmentation Master Mix	10201259	Pass
E6277AAVIAL	Bst 2.0 WarmStart <sup>®</sup> DNA Polymerase	10201262	Pass

Assay Name/Specification	Lot # 10201252
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Fast DNA Fragmentation &amp; Library Prep Set for Ion Torrent<sup>™</sup> and meet the designated specifications.</p> <p><b>Functional Testing (Library Construction, Ion Torrent<sup>™</sup>)</b>            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<sup>™</sup> platform and compared across various metrics including library yield, fraction of reads aligning to the reference, and insert size.</p>	<p>Pass</p> <p>Pass</p>

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](http://www.neb.com/trademarks) for additional information.



---

Christine Sumner  
Production Scientist  
13 Sep 2023



---

Michael Tonello  
Packaging Quality Control Inspector  
13 Sep 2023