

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Fast DNA Fragmentation and Library Prep Set for Ion Torrent™  
 Catalog Number: E6285L  
 Lot Number: 10040652  
 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 <sub>2</sub> ) (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 # 10040652
<p><b>Functional Testing (Library Construction, Ion Torrent™)</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™ platform and compared across various metrics including library yield, fraction of reads aligning to the reference, and insert size.</p> <p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext® Fast DNA Fragmentation &amp; 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.



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Christine Sumner  
Production Scientist  
20 Mar 2019



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Michael Tonello  
Packaging Quality Control Inspector  
20 Mar 2019