

## 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: 10071742

Expiration Date: 10/2021

Storage Temperature: -20°C

Specification Version: PS-E6285S/L v1.0

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	10071753	Pass
E6299AAVIAL	TE Buffer	10071751	Pass
E6296AAVIAL	T4 DNA Ligase Buffer for Ion Torrent <sup>™</sup>	10071750	Pass
E6295AAVIAL	Magnesium Chloride (MgCl <sub>2</sub> ) (200 mM)	10071745	Pass
E6294AAVIAL	NEBNext <sup>®</sup> Stop Buffer	10071746	Pass
E6291AAVIAL	NEBNext <sup>®</sup> DNA Library Primers for Ion Torrent <sup>™</sup>	10071743	Pass
E6290AAVIAL	NEBNext <sup>®</sup> DNA Library Adaptors for Ion Torrent <sup>™</sup>	10071748	Pass
E6288AAVIAL	T4 DNA Ligase	10071744	Pass
E6287AAVIAL	NEBNext <sup>®</sup> DNA Fragmentation Reaction Buffer	10071747	Pass
E6286AAVIAL	NEBNext <sup>®</sup> DNA Fragmentation Master Mix	10071749	Pass
E6277AAVIAL	Bst 2.0 WarmStart <sup>®</sup> DNA Polymerase	10071752	Pass

Assay Name/Specification	Lot # 10071742
<p><b>* Individual Product Component Note</b></p> <p>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>	Pass
<p><b>Functional Testing (Library Construction, Ion Torrent<sup>™</sup>)</b></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<sup>™</sup> 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.

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29 May 2020



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Josh Hersey  
Packaging Quality Control Inspector  
25 Nov 2020