

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Fast DNA Library Prep Set for Ion Torrent<sup>™</sup>  
 Catalog Number: E6270L  
 Packaging Lot Number: 10167106  
 Expiration Date: 09/2023  
 Storage Temperature: -20°C  
 Specification Version: PS-E6270L v2.0

NEBNext <sup>®</sup> Fast DNA 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	10141770	Pass
E6293AAVIAL	TE Buffer	10141765	Pass
E6291AAVIAL	NEBNext <sup>®</sup> DNA Library Primers for Ion Torrent <sup>™</sup>	10141766	Pass
E6277AAVIAL	Bst 2.0 WarmStart <sup>®</sup> DNA Polymerase	10141768	Pass
E6276AAVIAL	T4 DNA Ligase Buffer for Ion Torrent <sup>™</sup>	10141767	Pass
E6275AAVIAL	T4 DNA Ligase	10141763	Pass
E6274AAVIAL	NEBNext <sup>®</sup> DNA Library Adaptors for Ion Torrent <sup>™</sup>	10141761	Pass
E6272AAVIAL	NEBNext <sup>®</sup> End Repair Reaction Buffer	10141762	Pass
E6271AAVIAL	NEBNext <sup>®</sup> End Repair Enzyme Mix	10141764	Pass

Assay Name/Specification	Lot # 10167106
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Fast DNA 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>            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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Christine Sumner  
Production Scientist  
29 Sep 2022



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Josh Hersey  
Packaging Quality Control Inspector  
29 Sep 2022