

New England Biolabs Certificate of Analysis

Product Name: NEBNext UltraExpress™ FS DNA Library Prep Kit
Catalog Number: E3340S
Packaging Lot Number: 10225818
Expiration Date: 12/2024
Storage Temperature: -20°C
Specification Version: PS-E3340S/L/G v1.0

NEBNext UltraExpress™ FS DNA Library Prep Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E3348AVIAL	NEBNext® Bead Reconstitution Buffer	10220501	Pass
E3347AVIAL	TE Buffer	10222627	Pass
E3346AVIAL	NEBNext® MSTC™ High Yield Master Mix	10220499	Pass
E3345AVIAL	NEBNext UltraExpress™ Ligation Master Mix	10220498	Pass
E3344AVIAL	NEBNext UltraExpress™ FS Reaction Buffer	10220497	Pass
E3343AVIAL	NEBNext UltraExpress™ FS Enzyme Mix	10220496	Pass

Assay Name/Specification	Lot # 10225818
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in NEBNext UltraExpress™ FS DNA Library Prep Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (Library Construction, UltraExpress FS DNA) 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. A fragmentation time of 20 minutes was used to generate a final average library size between 270 and 500 bp as determined by electrophoresis. Libraries made from previous and current lots for both input DNA amounts are sequenced together on the same Illumina® flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, 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
27 Feb 2024



Michael Tonello
Packaging Quality Control Inspector
27 Feb 2024