

New England Biolabs Certificate of Analysis


Product Name: NEBNext UltraExpress® FS DNA Library Prep Kit
Catalog Number: E3340G
Packaging Lot Number: 10220488
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
E3348GVIAL	NEBNext® Bead Reconstitution Buffer	10220495	Pass
E3347GVIAL	TE Buffer	10222626	Pass
E3346GVIAL	NEBNext® MSTC™ High Yield Master Mix	10220492	Pass
E3345GVIAL	NEBNext UltraExpress® Ligation Master Mix	10220491	Pass
E3344GVIAL	NEBNext UltraExpress® FS Reaction Buffer	10220490	Pass
E3343GVIAL	NEBNext UltraExpress® FS Enzyme Mix	10220489	Pass

Assay Name/Specification	Lot # 10220488
<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
20 Dec 2023



Michael Tonello
Packaging Quality Control Inspector
16 May 2024