

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext UltraExpress™ FS DNA Library Prep Kit  
**Catalog Number:** E3340L  
**Packaging Lot Number:** 10220502  
**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
E3348AAVIAL	NEBNext® Bead Reconstitution Buffer	10220508	Pass
E3347AAVIAL	TE Buffer	10222631	Pass
E3346AAVIAL	NEBNext® MSTC™ High Yield Master Mix	10220506	Pass
E3345AAVIAL	NEBNext UltraExpress™ Ligation Master Mix	10220505	Pass
E3344AAVIAL	NEBNext UltraExpress™ FS Reaction Buffer	10220504	Pass
E3343AAVIAL	NEBNext UltraExpress™ FS Enzyme Mix	10220503	Pass

Assay Name/Specification	Lot # 10220502
<p><b>* Individual Product Component Note</b> 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><b>Functional Testing (Library Construction, UltraExpress FS DNA)</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. 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](http://www.neb.com/trademarks) for additional information.



*Christine Sumner*

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20 Dec 2023

*Michael Tonello*

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Packaging Quality Control Inspector  
22 Feb 2024