

New England Biolabs Certificate of Analysis

Product Name: NEBNext UltraShear®
Catalog Number: M7634S
Packaging Lot Number: 10226496
Expiration Date: 02/2025
Storage Temperature: -20°C
Specification Version: PS-M7634S/L/G v1.0

NEBNext UltraShear® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M7634SVIAL	NEBNext UltraShear®	10226497	Pass
B9042SVIAL	NEBNext UltraShear® Reaction Buffer	10226498	Pass
B1079SVIAL	500mM DTT	10226499	Pass

Assay Name/Specification	Lot # 10226496
Functional Testing (EM-seq Library Construction) Each set of NEBNext UltraShear® reagents is functionally tested and compared to the previous lot through construction of NEBNext® EM-seq libraries made from genomic DNA and DNA controls (CpG methylated pUC19 and unmethylated Lambda). The NEBNext® EM-seq kit's minimum and maximum DNA input requirements are used to make libraries that are sequenced on the same Illumina® flow cell. Library assessment is based on metrics including library yields, library size, GC bias, insert size, and the percent 5mC/5hmC detected for CpG, CHG, CHH contexts within the genomic DNA and internal controls.	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

Christine Sumner
Production Scientist
29 Feb 2024

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
29 Feb 2024