

New England Biolabs Certificate of Analysis

Product Name: NEBNext UltraShear™
 Catalog Number: M7634G
 Packaging Lot Number: 10176148
 Expiration Date: 01/2024
 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
M7634GVIAL	NEBNext UltraShear™	10176149	Pass
B9042GVIAL	NEBNext UltraShear™ Reaction Buffer	10176150	Pass
B1079GVIAL	500mM DTT	10176151	Pass

Assay Name/Specification	Lot # 10176148
<p>Functional Testing (EM-seq Library Construction)</p> <p>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.</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

Christine Sumner
Production Scientist
14 Jun 2023

Josh Hersey

Josh Hersey
Packaging Quality Control Inspector
20 Jul 2023