

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext® Library Quant Kit for Illumina®  
**Catalog Number:** E7630S  
**Packaging Lot Number:** 10244408  
**Expiration Date:** 05/2026  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E7630S/L v2.0

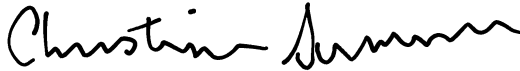
NEBNext® Library Quant Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7641AVIAL	ROX (High)	10239359	Pass
E7640AVIAL	NEBNext® Library Quant Master Mix	10239339	Pass
E7639AVIAL	NEBNext® Library Quant Primer Mix	10239341	Pass
E7638AVIAL	ROX (Low)	10239361	Pass
E7633AVIAL	NEBNext® Library Dilution Buffer	10239343	Pass
E6891AVIAL	NEBNext® Library Quant DNA Standard 6	10239357	Pass
E6890AVIAL	NEBNext® Library Quant DNA Standard 5	10239355	Pass
E6889AVIAL	NEBNext® Library Quant DNA Standard 4	10239353	Pass
E6888AVIAL	NEBNext® Library Quant DNA Standard 3	10239351	Pass
E6887AVIAL	NEBNext® Library Quant DNA Standard 2	10239348	Pass
E6886AVIAL	NEBNext® Library Quant DNA Standard 1	10239345	Pass

Assay Name/Specification	Lot # 10244408
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in NEBNext® Library Quant Kit for Illumina® and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (qPCR, Standard Curve)</b> NEBNext® Library Quant Kit for Illumina® is functionally tested with qPCR using the following criteria for PCR efficiency, fluorescence values, and no-template control (NTC) amplification. Seven, 20 µl reactions are run in triplicate in 1X NEBNext® Library Quant Master Mix and 1X NEBNext® Library Quant Primer Mix containing NEBNext® Library Quant DNA Standards 1-6 and a no-template control for 35 cycles of PCR amplification, resulting in a standard curve with a calculated PCR efficiency of 90-100% and a no-template control threshold cycle of &gt;30 Cq.</p>	<b>Pass</b>

This product has been tested and shown to be in compliance with all specifications.



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Christine Sumner  
Production Scientist  
22 May 2024



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Michael Tonello  
Packaging Quality Control Inspector  
22 May 2024