

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Library Quant Kit for Illumina®  
 Catalog Number: E7630S  
 Packaging Lot Number: 10070919  
 Expiration Date: 10/2021  
 Storage Temperature: -20°C  
 Specification Version: PS-E7630S/L v1.0

NEBNext® Library Quant Kit for Illumina® Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7641AVIAL	ROX (High)	10054737	Pass
E7640AVIAL	NEBNext® Library Quant Master Mix	10054730	Pass
E7639AVIAL	NEBNext® Library Quant Primer Mix	10054731	Pass
E7638AVIAL	ROX (Low)	10054738	Pass
E7637AVIAL	NEBNext® Library Quant DNA Standard 4	10054736	Pass
E7636AVIAL	NEBNext® Library Quant DNA Standard 3	10054735	Pass
E7635AVIAL	NEBNext® Library Quant DNA Standard 2	10054734	Pass
E7634AVIAL	NEBNext® Library Quant DNA Standard 1	10054733	Pass
E7633AVIAL	NEBNext® Library Dilution Buffer	10054732	Pass

Assay Name/Specification	Lot # 10070919
<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. Five, 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 1-4 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> <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>	<p>Pass</p> <p>Pass</p>

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
18 Mar 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
18 Mar 2020