

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Library Quant Kit for Illumina®  
 Catalog Number: E7630S  
 Packaging Lot Number: 10109696  
 Expiration Date: 03/2023  
 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)	10103884	Pass
E7640AVIAL	NEBNext® Library Quant Master Mix	10103877	Pass
E7639AVIAL	NEBNext® Library Quant Primer Mix	10103878	Pass
E7638AVIAL	ROX (Low)	10103885	Pass
E7637AVIAL	NEBNext® Library Quant DNA Standard 4	10103883	Pass
E7636AVIAL	NEBNext® Library Quant DNA Standard 3	10103882	Pass
E7635AVIAL	NEBNext® Library Quant DNA Standard 2	10103881	Pass
E7634AVIAL	NEBNext® Library Quant DNA Standard 1	10103880	Pass
E7633AVIAL	NEBNext® Library Dilution Buffer	10103879	Pass

Assay Name/Specification	Lot # 10109696
<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>	Pass
<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>	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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Christine Sumner  
Production Scientist  
12 May 2021

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
12 May 2021