

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® Library Quant Kit for Illumina®  
 Catalog Number: E7630L  
 Packaging Lot Number: 10175512  
 Expiration Date: 11/2024  
 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 |
| E7641AAVIAL   | ROX (High)                            | 10169304   | Pass                 |
| E7640AAVIAL   | NEBNext® Library Quant Master Mix     | 10169294   | Pass                 |
| E7639AAVIAL   | NEBNext® Library Quant Primer Mix     | 10169295   | Pass                 |
| E7638AAVIAL   | ROX (Low)                             | 10169305   | Pass                 |
| E7633AAVIAL   | NEBNext® Library Dilution Buffer      | 10169296   | Pass                 |
| E6891AAVIAL   | NEBNext® Library Quant DNA Standard 6 | 10169302   | Pass                 |
| E6890AAVIAL   | NEBNext® Library Quant DNA Standard 5 | 10169301   | Pass                 |
| E6889AAVIAL   | NEBNext® Library Quant DNA Standard 4 | 10169300   | Pass                 |
| E6888AAVIAL   | NEBNext® Library Quant DNA Standard 3 | 10169299   | Pass                 |
| E6887AAVIAL   | NEBNext® Library Quant DNA Standard 2 | 10169298   | Pass                 |
| E6886AAVIAL   | NEBNext® Library Quant DNA Standard 1 | 10169297   | Pass                 |

| Assay Name/Specification  | Lot # 10175512 |
|---|----------------|
| <p><b>* Individual Product Component Note</b><br/>           Standard Quality Control Tests are performed for each component included in NEBNext® Library Quant Kit for Illumina® and meet the designated specifications.</p>   | Pass           |
| <p><b>Functional Testing (qPCR, Standard Curve)</b><br/>           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> | 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.



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Christine Sumner  
Production Scientist  
19 Dec 2022



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Michael Tonello  
Packaging Quality Control Inspector  
19 Dec 2022