

New England Biolabs Product Specification

Product Name: NEBNext[®] Library Quant Kit for Illumina[®]
Catalog #: E7630S/L
Kit Components: NEBNext[®] Library Quant Master Mix (E7640)
NEBNext[®] Library Quant Primer Mix (E7639)
NEBNext[®] Library Dilution Buffer (E7633)
NEBNext[®] Library Quant DNA Standard 1 (E7634)
NEBNext[®] Library Quant DNA Standard 2 (E7635)
NEBNext[®] Library Quant DNA Standard 3 (E7636)
NEBNext[®] Library Quant DNA Standard 4 (E7637)
ROX (High) (E7641)
ROX (Low) (E7638)

Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E7630S/L v1.0
Effective Date: 22 Jun 2018

Assay Name/Specification (minimum release criteria)

Functional Testing (qPCR, Standard Curve) - 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 >30 Cq.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext[®] Library Quant Kit for Illumina[®] and meet the designated specifications.



Date 22 Jun 2018

Derek Robinson
Director of Quality Control

