

New England Biolabs Product Specification

Product Name: NEBNext[®] Library Quant DNA Standards
Catalog #: E7642S
Kit Components: NEBNext[®] Library Quant Kit DNA Standard 1 (E6886)
NEBNext[®] Library Quant Kit DNA Standard 2 (E6887)
NEBNext[®] Library Quant Kit DNA Standard 3 (E6888)
NEBNext[®] Library Quant Kit DNA Standard 4 (E6889)
NEBNext[®] Library Quant Kit DNA Standard 5 (E6890)
NEBNext[®] Library Quant Kit DNA Standard 6 (E6891)
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E7642S v2.0
Effective Date: 13 Jan 2022

Assay Name/Specification (minimum release criteria)

Functional Testing (qPCR, Standard Curve) - NEBNext[®] Library Quant DNA Standards are 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 >30 Cq.

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

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Date 13 Jan 2022

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Director, Quality Control

