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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Derek Robinson
Director, Quality Control

Date 13 Jan 2022