

New England Biolabs Certificate of Analysis

Product Name: NEBNext® Library Quant DNA Standards
Catalog Number: E7642S
Packaging Lot Number: 10149676
Expiration Date: 05/2024
Storage Temperature: -20°C
Specification Version: PS-E7642S v2.0

NEBNext® Library Quant DNA Standards Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6891AAVIAL	NEBNext® Library Quant DNA Standard 6	10149687	Pass
E6890AAVIAL	NEBNext® Library Quant DNA Standard 5	10149686	Pass
E6889AAVIAL	NEBNext® Library Quant DNA Standard 4	10149685	Pass
E6888AAVIAL	NEBNext® Library Quant DNA Standard 3	10149684	Pass
E6887AAVIAL	NEBNext® Library Quant DNA Standard 2	10149683	Pass
E6886AAVIAL	NEBNext® Library Quant DNA Standard 1	10149682	Pass

Assay Name/Specification	Lot # 10149676
<p>* 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.</p>	Pass
<p>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.</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 for additional information.

Christine Sumner

Christine Sumner
Production Scientist
17 Oct 2022

Michael Tonello

Michael Tonello
Packaging Quality Control Inspector
15 Mar 2023