

## New England Biolabs Certificate of Analysis

Product Name: *NEBNext<sup>®</sup> Library Quant DNA Standards*  
 Catalog Number: *E7642S*  
 Packaging Lot Number: *10198745*  
 Expiration Date: *05/2025*  
 Storage Temperature: *-20°C*  
 Specification Version: *PS-E7642S v2.0*

NEBNext <sup>®</sup> Library Quant DNA Standards Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E6891AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 6	10187070	Pass
E6890AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 5	10187069	Pass
E6889AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 4	10187068	Pass
E6888AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 3	10187067	Pass
E6887AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 2	10187066	Pass
E6886AAVIAL	NEBNext <sup>®</sup> Library Quant DNA Standard 1	10187065	Pass

Assay Name/Specification	Lot # 10198745
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Library Quant DNA Standards and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (qPCR, Standard Curve)</b>            NEBNext<sup>®</sup> 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<sup>®</sup> Library Quant Master Mix and 1X NEBNext<sup>®</sup> Library Quant Primer Mix containing NEBNext<sup>®</sup> 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.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
20 Jul 2023



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Josh Hersey  
Packaging Quality Control Inspector  
20 Jul 2023