

## New England Biolabs Certificate of Analysis

Product Name: OneTaq<sup>®</sup> One-Step RT-PCR Kit  
 Catalog Number: E5315S  
 Packaging Lot Number: 10145828  
 Expiration Date: 01/2023  
 Storage Temperature: -20°C  
 Specification Version: PS-E5315S v1.0

OneTaq <sup>®</sup> One-Step RT-PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M1205AVIAL	Quick Load <sup>®</sup> OneTaq <sup>®</sup> One-Step Reaction Mix	10135635	Pass
M1204AVIAL	OneTaq <sup>®</sup> One-Step Reaction Mix	10135634	Pass
M1203AVIAL	OneTaq <sup>®</sup> One-Step Enzyme Mix	10135633	Pass
B1502AVIAL	Nuclease-free Water	10139749	Pass

Assay Name/Specification	Lot # 10145828
<p><b>Functional Testing (RT-PCR, Multiplexing)</b>            A 50 µl reaction in OneTaq<sup>®</sup> One-Step Reaction Mix or Quick-Load<sup>®</sup> OneTaq<sup>®</sup> One-Step Reaction Mix containing 10 ng of total RNA, 1X OneTaq<sup>®</sup> One-Step Enzyme Mix, and 0.1 µM primers for 40 cycles of PCR amplification results in the expected three products.</p>	Pass
<p><b>Functional Testing (RT-PCR, Sensitivity)</b>            A 50 µl reaction in OneTaq<sup>®</sup> One-Step Reaction Mix or Quick-Load<sup>®</sup> OneTaq<sup>®</sup> One-Step Reaction Mix containing 10 pg of total RNA, 1X OneTaq<sup>®</sup> One-Step Enzyme Mix, and 0.4 µM primers for 40 cycles of PCR amplification results in the expected 566 bp product.</p>	Pass
<p><b>Functional Testing (RT-PCR, Length)</b>            A 50 µl reaction in OneTaq<sup>®</sup> One-Step Reaction Mix or Quick-Load<sup>®</sup> OneTaq<sup>®</sup> One-Step Reaction Mix containing 100 ng of total RNA, 1X OneTaq<sup>®</sup> One-Step Enzyme Mix, and 0.4 µM primers for 40 cycles of PCR amplification results in the expected 9.3 kb product.</p>	Pass
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in OneTaq<sup>®</sup> One-Step RT-PCR Kit and meet the designated specifications.</p>	Pass

This product has been tested and shown to be in compliance with all specifications.



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*Christie Vazquez*

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Christie Vazquez  
Production Scientist  
25 Mar 2022

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
25 Mar 2022