

## New England Biolabs Certificate of Analysis

**Product Name:** OneTaq<sup>®</sup> One-Step RT-PCR Kit  
**Catalog Number:** E5315S  
**Packaging Lot Number:** 10074938  
**Expiration Date:** 01/2021  
**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	10064485	Pass
M1204AVIAL	OneTaq <sup>®</sup> One-Step Reaction Mix	10064484	Pass
M1203AVIAL	OneTaq <sup>®</sup> One-Step Enzyme Mix	10064483	Pass
B1502AVIAL	Nuclease-free Water	10072020	Pass

Assay Name/Specification	Lot # 10074938
<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.	Pass
<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.	Pass
<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.	Pass
<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.	Pass

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



*Christie Vazquez*

Christie Vazquez  
Production Scientist  
05 May 2020

*Josh Hersey*

Josh Hersey  
Packaging Quality Control Inspector  
05 May 2020