

## New England Biolabs Certificate of Analysis

**Product Name:** OneTaq® One-Step RT-PCR Kit  
**Catalog Number:** E5315S  
**Packaging Lot Number:** 10076852  
**Expiration Date:** 06/2021  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E5315S v1.0

OneTaq® One-Step RT-PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M1205AVIAL	Quick Load® OneTaq® One-Step Reaction Mix	10076369	Pass
M1204AVIAL	OneTaq® One-Step Reaction Mix	10076367	Pass
M1203AVIAL	OneTaq® One-Step Enzyme Mix	10076368	Pass
B1502AVIAL	Nuclease-free Water	10072020	Pass

Assay Name/Specification	Lot # 10076852
<b>Functional Testing (RT-PCR, Length)</b> A 50 µl reaction in OneTaq® One-Step Reaction Mix or Quick-Load® OneTaq® One-Step Reaction Mix containing 100 ng of total RNA, 1X OneTaq® One-Step Enzyme Mix, and 0.4 µM primers for 40 cycles of PCR amplification results in the expected 9.3 kb product.	<b>Pass</b>
<b>Functional Testing (RT-PCR, Multiplexing)</b> A 50 µl reaction in OneTaq® One-Step Reaction Mix or Quick-Load® OneTaq® One-Step Reaction Mix containing 10 ng of total RNA, 1X OneTaq® One-Step Enzyme Mix, and 0.1 µM primers for 40 cycles of PCR amplification results in the expected three products.	<b>Pass</b>
<b>Functional Testing (RT-PCR, Sensitivity)</b> A 50 µl reaction in OneTaq® One-Step Reaction Mix or Quick-Load® OneTaq® One-Step Reaction Mix containing 10 pg of total RNA, 1X OneTaq® One-Step Enzyme Mix, and 0.4 µM primers for 40 cycles of PCR amplification results in the expected 566 bp product.	<b>Pass</b>
<b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in OneTaq® One-Step RT-PCR Kit and meet the designated specifications.	<b>Pass</b>

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



*Christie Vazquez*

Christie Vazquez  
Production Scientist  
19 Jun 2020

*Josh Hersey*

Josh Hersey  
Packaging Quality Control Inspector  
19 Jun 2020