

## New England Biolabs Certificate of Analysis

**Product Name:** OneTaq® One-Step RT-PCR Kit  
**Catalog Number:** E5315S  
**Packaging Lot Number:** 10238234  
**Expiration Date:** 03/2025  
**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	10235623	Pass
M1204AVIAL	OneTaq® One-Step Reaction Mix	10235622	Pass
M1203AVIAL	OneTaq® One-Step Enzyme Mix	10235621	Pass
B1502AVIAL	Nuclease-free Water	10233968	Pass

Assay Name/Specification	Lot # 10238234
<p><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.</p>	<b>Pass</b>
<p><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.</p>	<b>Pass</b>
<p><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.</p>	<b>Pass</b>
<p><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.</p>	<b>Pass</b>

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



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19 Apr 2024



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19 Apr 2024