

New England Biolabs Certificate of Analysis

Product Name: OneTaq® RT-PCR Kit
 Catalog Number: E5310S
 Packaging Lot Number: 10179747
 Expiration Date: 01/2024
 Storage Temperature: -20°C
 Specification Version: PS-E5310S v1.0

OneTaq® RT-PCR Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1332AVIAL	Oligo d(T)23 VN	10155675	Pass
S1330AVIAL	Random Primer Mix	10154729	Pass
M0484SVIAL	OneTaq® Hot Start 2X Master Mix with Standard Buffer	10170501	Pass
M0343AVIAL	M-MuLV Reaction Mix	10154493	Pass
M0342AVIAL	M-MuLV Enzyme Mix	10154469	Pass

Assay Name/Specification	Lot # 10179747
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in OneTaq® RT-PCR Kit and meet the designated specifications.</p>	Pass
<p>Functional Testing (RT-PCR, Length) The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is tested in a 20 µl RT reaction with 1 µg Human total RNA. The length of the product is verified by amplification of the p532 gene using 0.4 µl of the RT reaction and 35 cycles of PCR amplification resulting in the expected 5.5 kb product.</p>	Pass
<p>Functional Testing (RT-PCR, Sensitivity) The performance of M-MuLV Reaction Mix with 1X M-MuLV Enzyme Mix is tested in a 20 µl RT reaction with 20 pg Human total RNA. The sensitivity of the product is verified by amplification of GAPDH using 0.4 µl of the RT reaction and 35 cycles of PCR amplification resulting in the expected product.</p>	Pass

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

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Production Scientist
21 Jul 2022



Josh Hersey
Packaging Quality Control Inspector
24 Feb 2023