

New England Biolabs Certificate of Analysis

Product Name: OneTaq® RT-PCR Kit
 Catalog Number: E5310S
 Packaging Lot Number: 10085347
 Expiration Date: 11/2021
 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 | 10076372 | Pass |
| S1330AVIAL | Random Primer Mix | 10076371 | Pass |
| M0484SVIAL | OneTaq® Hot Start 2X Master Mix with Standard Buffer | 10073755 | Pass |
| M0343AVIAL | M-MuLV Reaction Mix | 10069921 | Pass |
| M0342AVIAL | M-MuLV Enzyme Mix | 10083974 | Pass |
| B1502AVIAL | Nuclease-free Water | 10083034 | Pass |

| Assay Name/Specification | Lot # 10085347 |
|--|----------------|
| <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 |
| <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 |

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



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16 Dec 2020

Michael Tonello

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16 Dec 2020