New England Biolabs
Certificate of Analysis

Product Name:	**OneTaq® RT-PCR Kit**
Catalog Number:	*E5310S*
Packaging Lot Number:	*10164995*
Expiration Date:	*01/2024*
Storage Temperature:	*-20°C*
Specification Version:	*PS-E5310S v1.0*

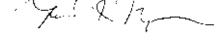| OneTaq® RT-PCR Kit Component List			
NEB Part Number	**Component Description**	**Lot Number**	**Individual QC Result**
S1332AVIAL	Oligo d(T)23 VN	10155675	**Pass**
S1330AVIAL	Random Primer Mix	10109600	**Pass**
M0484SVIAL	OneTaq® Hot Start 2X Master Mix with Standard Buffer	10158233	**Pass**
M0343AVIAL	M-MuLV Reaction Mix	10154493	**Pass**
M0342AVIAL	M-MuLV Enzyme Mix	10154469	**Pass**
B1502AVIAL	Nuclease-free Water	10154305	**Pass**

Assay Name/Specification	Lot # 10164995
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in OneTaq® RT-PCR Kit and meet the designated specifications.	**Pass**
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.	**Pass**
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.	**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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21 Jul 2022

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Michael Tonello
Packaging Quality Control Inspector
14 Nov 2022

ISO 9001
Registered
Quality
Management

ISO 13485
Registered
Medical Devices

ISO 14001
Registered
Environmental
Management