

## New England Biolabs Certificate of Analysis

*Product Name:* OneTaq<sup>®</sup> RT-PCR Kit  
*Catalog #:* E5310S  
*Kit Components:* M-MuLV Enzyme Mix (M0342)  
M-MuLV Reaction Mix (M0343)  
OneTaq<sup>®</sup> Hot Start 2X Master Mix with Standard Buffer (M0484)  
Random Primer Mix (S1330)  
Oligo d(T)<sub>23</sub> VN (S1332)  
Nuclease-free Water (B1502)

*Lot #:* 0111712  
*Assay Date:* 12/2017  
*Expiration Date:* 06/2019  
*Storage Temp:* -20°C  
*Specification Version:* PS-E5310S v1.0  
*Effective Date:* 04 Apr 2018

Assay Name/Specification (minimum release criteria)	Lot #0111712
<p><b>Functional Testing (RT-PCR, Length)</b> - 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>	<b>Pass</b>
<p><b>Functional Testing (RT-PCR, Sensitivity)</b> - 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>	<b>Pass</b>
<p><b>* Individual Product Component Note</b> - Standard Quality Control Tests are performed for each component included in OneTaq<sup>®</sup> RT-PCR Kit and meet the designated specifications.</p>	<b>Pass</b>



Authorized by  
Derek Robinson  
04 Apr 2018



Inspected by  
Lynne Apone  
18 Feb 2018

