

## New England Biolabs Certificate of Analysis

**Product Name:** LunaScript® RT Master Mix (Primer-free) Kit  
**Catalog Number:** E3025L  
**Packaging Lot Number:** 10267767  
**Expiration Date:** 08/2026  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E3025S/L v1.0

LunaScript® RT Master Mix (Primer-free) Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M3026LVIAL	No-RT Control Mix (Primer-free)	10253444	Pass
M3025LVIAL	LunaScript® RT Master Mix (Primer-free)	10253443	Pass
B1502AVIAL	Nuclease-free Water	10245817	Pass

Assay Name/Specification	Lot # 10267767
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in LunaScript® RT Master Mix Kit (Primer-free) and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (RT-PCR, Length)</b> The performance of LunaScript® RT Master Mix Kit (Primer-free) is tested in a 20 µl RT reaction with 1 µg human total RNA. The length of the product is verified by amplification using 1 µl of the RT reaction and 36 cycles of PCR amplification resulting in the expected 9.3 kb product. The target is not amplified from the no-RT control reactions.</p>	<b>Pass</b>
<p><b>Functional Testing (Two-Step RT-qPCR)</b> The LunaScript® RT Master Mix Kit (Primer-free) is functionally tested in two-step RT-qPCR with human RNA template and Random Primer Mix, resulting in a standard curve with a calculated qPCR efficiency of 90-110%, and a dynamic range of 7 orders of magnitude.</p>	<b>Pass</b>

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](http://www.neb.com/trademarks) for additional information.



---

Trinh Nguyen  
Production Scientist  
12 Sep 2024



---

Josh Hersey  
Packaging Quality Control Inspector  
11 Dec 2024