

New England Biolabs Product Specification

Product Name: LunaScript[®] RT Master Mix Kit (Primer-free)
Catalog #: E3025S/L
Kit Components: LunaScript[®] RT Master Mix (Primer-free) (M3025)
No-RT Control Mix (Primer-free) (M3026)
Nuclease-free Water (B1502)
Shelf Life: 24 months
Storage Temp: -20°C
Specification Version: PS-E3025S/L v1.0
Effective Date: 30 Apr 2021

Assay Name/Specification (minimum release criteria)

Functional Testing (RT-PCR, Length) - 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.

Functional Testing (Two-Step RT-qPCR) - 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.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in LunaScript[®] RT Master Mix Kit (Primer-free) and meet the designated specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 30 Apr 2021

Derek Robinson
Director, Quality Control

