

## New England Biolabs Product Specification

*Product Name:* LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Kit  
*Catalog #:* E1555S/L  
*Kit Components:* LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Enzyme Mix (M1556)  
LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Reaction Mix (M1557)  
Nuclease-free Water (B1502)  
*Shelf Life:* 18 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-E1555S/L v1.0  
*Effective Date:* 25 Aug 2021

### Assay Name/Specification (minimum release criteria)

**Functional Testing (RT-PCR, Multiplexing)** - A 25 µl reaction in 1X LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Reaction Mix containing 0.1 ng of total RNA, 1X LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Enzyme Mix, and 0.33 µM primers for 40 cycles of PCR amplification results in the expected three products.

**Functional Testing (RT-PCR, Sensitivity)** - A 25 µl reaction in 1X LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Reaction Mix containing 1 pg of total RNA, 1X LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Enzyme Mix, and 0.5 µM primers for 40 cycles of PCR amplification results in the expected 566 bp product.

\* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in LunaScript<sup>®</sup> Multiplex One-Step RT-PCR Kit and meet the designated specifications.

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Date 25 Aug 2021

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