

## New England Biolabs Product Specification

*Product Name:* Luna<sup>®</sup> SARS-CoV-2 RT-qPCR Multiplex Assay Kit  
*Catalog #:* E3019S/L  
*Kit Components:* Luna<sup>®</sup> Probe One-Step RT-qPCR 4X Mix with UDG (M3019)  
SARS-CoV-2 Positive Control (N gene) (N2117)  
SARS-CoV-2 Primer/Probe Mix (N1/N2/RP) (S0631)  
Nuclease-free Water (B1502)  
*Shelf Life:* 12 months  
*Storage Temp:* -20°C  
*Specification Version:* PS-E3019S/L v1.0  
*Effective Date:* 22 Dec 2020

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

**Functional Testing (RT-qPCR, SARS-CoV-2)** - Luna<sup>®</sup> SARS-CoV-2 RT-qPCR Multiplex Assay Kit is functionally tested and compared to a control lot using 10 ng of human total RNA spiked with synthetic SARS-CoV-2 RNA in an RT-qPCR assay, resulting in a standard curve with a calculated qPCR efficiency of 90-110%, and a dynamic range of 5 orders of magnitude.

\* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in Luna<sup>®</sup> SARS-CoV-2 RT-qPCR Multiplex Assay Kit and meet the designated specifications.

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Date 22 Dec 2020

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