

New England Biolabs Certificate of Analysis

Product Name: SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit
Catalog Number: E2019S
Packaging Lot Number: 10237753
Expiration Date: 03/2025
Storage Temperature: -20°C
Specification Version: PS-E2019S v2.0

| SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit Component List | | | |
|---|---|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| S1883AVIAL | SARS-CoV-2 LAMP Primer Mix (N/E) | 10195521 | Pass |
| S0164AVIAL | Internal Control LAMP Primer Mix (rActin) | 10202231 | Pass |
| N2117SVIAL | SARS-CoV-2 Positive Control (N gene) | 10226701 | Pass |
| M1804SVIAL | WarmStart® Colorimetric LAMP 2X Master Mix with UDG | 10226679 | Pass |
| B2619AVIAL | Guanidine Hydrochloride | 10195491 | Pass |
| B1502AVIAL | Nuclease-free Water | 10201556 | Pass |

| Assay Name/Specification | Lot # 10237753 |
|--|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (RT-LAMP, SARS-CoV-2) SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit is functionally tested and compared to a previous kit lot using human total RNA and human total RNA spiked with synthetic SARS-COV-2 RNA in a 30-minute colorimetric LAMP assay at 65°C. Prior to isothermal incubation, all assembled reactions must be pink. Following incubation, internal control reactions containing human total RNA with and without SARS-CoV-2 RNA and SARS-CoV-2 Positive Control reactions must result in a color change indicating positive detection while reactions that lack template remain pink. SARS-CoV-2 reactions containing human total RNA spiked with SARS-CoV-2 RNA must result in a color change indicating positive detection observable down to 50 copies while</p> | Pass |

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|---|----------------|
| reactions that lack template remain pink. | |

This product has been tested and shown to be in compliance with all specifications.

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Trinh Nguyen
Production Scientist
15 Apr 2024



Michael Tonello
Packaging Quality Control Inspector
08 May 2024