

## New England Biolabs Certificate of Analysis

**Product Name:** SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit  
**Catalog Number:** E2019S  
**Packaging Lot Number:** 10095828  
**Expiration Date:** 11/2021  
**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)	10085159	Pass
S0164AVIAL	Internal Control LAMP Primer Mix (rActin)	10085158	Pass
N2117AVIAL	SARS-CoV-2 Positive Control (N gene)	10083036	Pass
M1804SVIAL	WarmStart® Colorimetric LAMP 2X Master Mix with UDG	10090178	Pass
B2619AVIAL	Guanidine Hydrochloride	10085160	Pass
B1502AVIAL	Nuclease-free Water	10089987	Pass

Assay Name/Specification	Lot # 10095828
<b>Functional Testing (RT-LAMP, SARS-CoV-2)</b> 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 reactions that lack template remain pink.	Pass
<b>* Individual Product Component Note</b>	Pass

Assay Name/Specification	Lot # 10095828
Standard Quality Control Tests are performed for each component included in SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit and meet the designated specifications.	

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

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08 Jan 2021



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