

## New England Biolabs Certificate of Analysis

**Product Name:** SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit  
**Catalog Number:** E2019S  
**Packaging Lot Number:** 10170676  
**Expiration Date:** 08/2023  
**Storage Temperature:** -20°C  
**Specification Version:** PS-E2019S v2.0

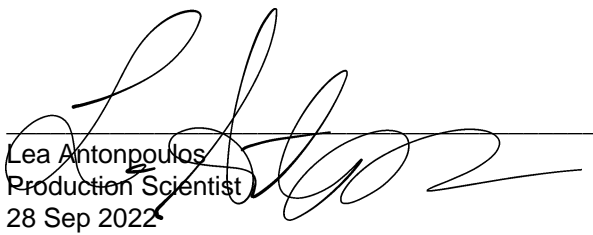
SARS-CoV-2 Rapid Colorimetric LAMP Assay Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
S1883AVIAL	SARS-CoV-2 LAMP Primer Mix (N/E)	10162328	Pass
S0164AVIAL	Internal Control LAMP Primer Mix (rActin)	10158276	Pass
N2117SVIAL	SARS-CoV-2 Positive Control (N gene)	10143730	Pass
M1804SVIAL	WarmStart <sup>®</sup> Colorimetric LAMP 2X Master Mix with UDG	10164057	Pass
B2619AVIAL	Guanidine Hydrochloride	10154424	Pass
B1502AVIAL	Nuclease-free Water	10154305	Pass

Assay Name/Specification	Lot # 10170676
<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> Standard Quality Control Tests are performed for each component included in	Pass

Assay Name/Specification	Lot # 10170676
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.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



Lea Antonopoulos  
Production Scientist  
28 Sep 2022



Michael Tonello  
Packaging Quality Control Inspector  
17 Jan 2023