

## New England Biolabs Certificate of Analysis

Product Name: NEBNext® ARTIC SARS-CoV-2 RT-PCR Module  
 Catalog Number: E7626L  
 Packaging Lot Number: 10139078  
 Expiration Date: 10/2022  
 Storage Temperature: -20°C  
 Specification Version: PS-E7626S/L v2.0

NEBNext® ARTIC SARS-CoV-2 RT-PCR Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7873AAVIAL	NEBNext® VarSkip Short v2 SARS-CoV-2 Primer Mix 2	10139529	Pass
E7872AAVIAL	NEBNext VarSkip Short v2 SARS-CoV-2 Primer Mix 1	10139528	Pass
E7726AAVIAL	NEBNext® ARTIC SARS-CoV-2 Primer Mix 2	10122461	Pass
E7725AAVIAL	NEBNext® ARTIC SARS-CoV-2 Primer Mix 1	10122460	Pass
E7667AVIAL	Nuclease-free Water	10122459	Pass
E7657AVIAL	0.1X TE	10122458	Pass
E7652AAVIAL	Q5® Hot Start High-Fidelity 2X Master Mi	10122457	Pass
E7651AAVIAL	LunaScript™ RT SuperMix	10122456	Pass

Assay Name/Specification	Lot # 10139078
<p><b>Functional Testing (ARTIC RT-PCR Module)</b></p> <p>Each set of reagents is functionally validated through construction of libraries made from 1000 copies of commercially available SARS-CoV-2 RNA in a background of 100ng of human reference RNA. A fragmentation time of 30 minutes is used to generate an insert size of approximately 100 bp. The final average library size is between 200 bp and 600 bp as determined by an Agilent Bioanalyzer® or TapeStation®. Libraries are sequenced together on an Illumina® flow cell and assessed across various metrics including library yield, mapping rate to the SARS-CoV-2 genome and amplicon coverage. For 0.5 million paired end reads, all expected amplicons are covered by at least 100 overlapping reads.</p>	Pass
<p><b>* Individual Product Component Note</b></p> <p>Standard Quality Control Tests are performed for each component included in NEBNext® ARTIC SARS-CoV-2 RT-PCR Module and meet the designated specifications.</p>	Pass

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

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Christine Sumner  
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15 Feb 2022



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Josh Hersey  
Packaging Quality Control Inspector  
15 Feb 2022