

New England Biolabs Certificate of Analysis

Product Name: NEBNext® ARTIC SARS-CoV-2 RT-PCR Module
 Catalog Number: E7626S
 Packaging Lot Number: 10159504
 Expiration Date: 12/2022
 Storage Temperature: -20°C
 Specification Version: PS-E7626S/L v3.0

NEBNext® ARTIC SARS-CoV-2 RT-PCR Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7873AVIAL	NEBNext® VarSkip Short v2 SARS-CoV-2 Primer Mix 2	10139527	Pass
E7872AVIAL	NEBNext® VarSkip Short v2 SARS-CoV-2 Primer Mix 1	10139526	Pass
E7726AVIAL	NEBNext® ARTIC SARS-CoV-2 Primer Mix 2	10127152	Pass
E7725AVIAL	NEBNext® ARTIC SARS-CoV-2 Primer Mix 1	10127151	Pass
E7667AVIAL	Nuclease-free Water	10127150	Pass
E7657AVIAL	0.1X TE	10127149	Pass
E7652AVIAL	Q5® Hot Start High-Fidelity 2X Master Mix	10127148	Pass
E7651AVIAL	LunaScript™ RT SuperMix	10127147	Pass

Assay Name/Specification	Lot # 10159504
<p>* Individual Product Component Note 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> <p>Functional Testing (ARTIC RT-PCR Module) 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</p>	<p>Pass</p> <p>Pass</p>

Assay Name/Specification	Lot # 10159504
covered by at least 100 overlapping reads.	

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 for additional information.



Christine Sumner
Production Scientist
20 Jul 2022



Michael Tonello
Packaging Quality Control Inspector
20 Jul 2022