

New England Biolabs Product Specification

Product Name: NEBNext[®] ARTIC SARS-CoV-2 Companion Kit (Oxford Nanopore Technologies[®])
Catalog #: E7660S/L
Kit Components: LunaScript[™] RT SuperMix (E7651)
Q5[®] Hot Start High-Fidelity 2X Master Mix (E7652)
NEBNext[®] Ultra II[™] End Prep Enzyme Mix (E7661)
NEBNext[®] Ultra II[™] End Prep Buffer (E7662)
Blunt/TA Ligase Master Mix (E7663)
NEBNext[®] Quick T4 DNA Ligase (E7664)
NEBNext[®] Quick Ligation Reaction Buffer (E7665)
Nuclease-free Water (E7667)
NEBNext[®] ARTIC SARS-CoV-2 Primer Mix 1 (E7725)
NEBNext[®] ARTIC SARS-CoV-2 Primer Mix 2 (E7726)
NEBNext[®] VarSkip Short v2 SARS-CoV-2 Primer Mix 1 (E7872)
NEBNext[®] VarSkip Short v2 SARS-CoV-2 Primer Mix 2 (E7873)

Shelf Life: 12 months
Storage Temp: -20°C
Specification Version: PS-E7660S/L v3.0
Effective Date: 15 Feb 2022

Assay Name/Specification (minimum release criteria)

Functional Testing (Library Construction) - Each set of reagents is functionally validated through the construction of a library made using commercially available RNA using 1000 copies of RNA template. Twenty four barcoded samples (including 2 NTC) will be pooled and run on a single Oxford Nanopore[®] flow cell and their quality assessed across a number of metrics, including library yield, sequence yield, reads quality, read length, genome assembly, and percentage of mapped reads.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext[®] ARTIC SARS-CoV-2 Companion Kit and meet the designated specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 15 Feb 2022

Derek Robinson
Director, Quality Control

