

Twist Synthetic SARS-CoV-2 RNA Controls

KEY HIGHLIGHTS

- Fully synthetic RNA generated from Twist gene fragments
- Full viral genome coverage. NGS sequence verified
- Positive control for both RT-PCR and NGS-based assays

The recent Coronavirus pandemic has led to the unprecedented need for diagnostic tests for detecting the presence of the SARS-CoV-2 virus in a variety of sample types. To address this need, laboratories around the world need high quality tools to enable them in catering to this rapidly expanding requirement for testing.

Positive controls provide quality control measures for the verification and validation of diagnostic tests including both next-generation sequencing (NGS) and reverse transcription polymerase chain reaction (RT-PCR) assays.

Twist has created synthetic RNA controls for two variants of the SARS-CoV-2 virus: MT007544.1 and MN908947.3 (GenBank IDs).

These synthetic controls, consisting of six non-overlapping 5 kb fragments were generated from Twist Gene Fragments then transcribed into ssRNA. The Twist Synthetic SARS-CoV-2 RNA Controls provide coverage of greater than 99.9% of the bases of the viral genome. The RNA controls are supplied in 100 μ L at a concentration of one million copies per microliter.

At present, there are over 100 variants of the SARS-CoV-2 virus available in public repositories. Leveraging our powerful silicon-base writing platform, Twist is able to manufacture and deliver customized synthetic controls based on any of these viral references within approximately two weeks. Customers purchasing synthetic controls are subject to Twist's leading biosecurity screening protocols and applicable laws and regulations.



BIO SAFETY
LEVEL 1



STORAGE TEMP
-70°C TO -90°C



SPECIFICATION RANGE
1 X 10⁶ COPIES/ μ L

Twist Synthetic SARS-CoV-2 RNA Controls are a component of the Twist portfolio of products.

LEARN MORE

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ORDERING INFORMATION

102019: Twist Synthetic SARS-CoV-2 RNA Control 1 (MT007544.1)

102024: Twist Synthetic SARS-CoV-2 RNA Control 2 (MN908947.3)