SARS-CoV-2 synthetic genome with Nluc reporter — Quick reference manual

Complete product information and additional resources are available at codexdna.com

Catalog number SC2-FLSG-5555

Product details

Full-length genome with ORF7a replaced by nanoluciferase reporter. Spike protein carries the D614G mutation[1]. T7 promoter at the 5' end of the genome makes it IVT-ready. The genome sequence is based on the SARS-CoV-2 isolate Wuhan-Hu-1 isolate (GenBank accession number MN908947.3). This material opens a safe and accurate path to vaccine, therapeutic, and diagnostic research and development. The reference material is synthesized on the Codex DNA BioXp™ system.

Description	SARS-CoV-2 complete synthetic reference material with nanoluciferase reporter
Biosafety level	BSL-1 (non-infectious)
Package contents	One vial
Package format	Clear polypropylene vial with a pink cap
Volume	100 µL per vial
Concentration	50 ng/µL
Storage conditions	–20 °C
Shipping conditions	–20 °C (dry ice)
Intended use	Research use only

Instructions for use

NOTE: SARS-CoV-2 synthetic genome with nanoluciferase reporter is classified as non-infectious. However, it is recommended that the user adhere to safe laboratory practices conducive to a BSL-1 laboratory to prevent potential product contamination and exposure.

1. Thaw the material on ice.
2. Vortex gently; pulse-spin in a microcentrifuge to settle the material at the bottom of the vial.
3. Keep the vial on ice while in use.
4. Return the remaining material (if applicable) to storage temperature.
5. Each vial can be thawed and frozen up to three times.

References

1. https://www.nature.com/articles/s41586-020-2895-3

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