

Quantitative PCR (qPCR) Control RNA from Heat-Inactivated SARS-Related Coronavirus 2, Isolate USA-WA1/2020

Catalog No. NR-52347

This reagent is the tangible property of the U.S. Government.

Product Description:

NR-52347 contains a preparation of genomic RNA extracted from heat-inactivated severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020 in buffer, for use as a positive control in qPCR assays. Nucleic acid was extracted from a preparation of heat-inactivated SARS-CoV-2, isolate USA-WA-1/2020 (BEI Resources NR-52286 lot 70033321) using a QIAamp® Viral RNA Mini Kit (Qiagen® 52906) and vialled in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

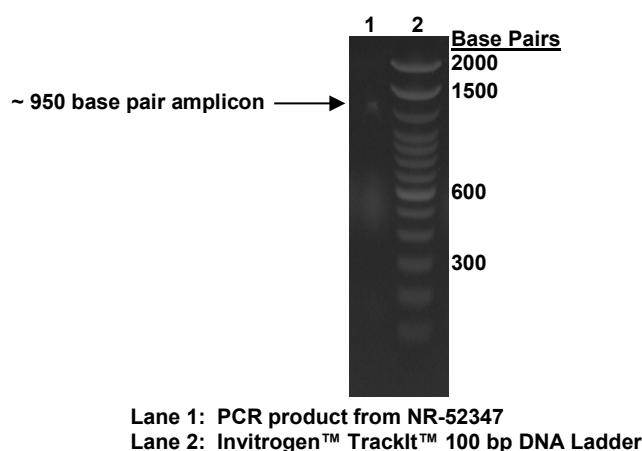
Lot: 70033926

Manufacturing Date: 20MAR2020

TEST	SPECIFICATIONS	RESULTS
Functional Activity by RT-PCR Amplification¹ ORF1ab gene (pre-vial)	~ 950 base pair amplicon	~ 950 base pair amplicon (Figure 1)
Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System (Post-vial; 9 replicates)	Report results	5.0×10^7 genome equivalents/mL

¹Amplified using iTaq™ Universal SYBR® Green One-Step Kit (BioRad 172-5151), with 5 µL of NR-52347 in a 50 µL reaction.

Figure 1: Functional Activity by RT-PCR Amplification



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Program Manager or designee, ATCC Federal Solutions

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