

**Quantitative PCR (qPCR) Control RNA from Inactivated SARS Coronavirus, Urbani**

**Catalog No. NR-52346**

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**Product Description:**

NR-52346 contains a preparation of genomic RNA extracted from inactivated severe acute respiratory syndrome coronavirus (SARS-CoV), Urbani in buffer, for use as a positive control in qPCR assays. Nucleic acid was extracted from a preparation of inactivated SARS-CoV, Urbani (BEI Resources NR-9547 lot 58542036), using a QIAamp® Viral RNA Mini Kit (Qiagen® 52906) and vialled in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0).

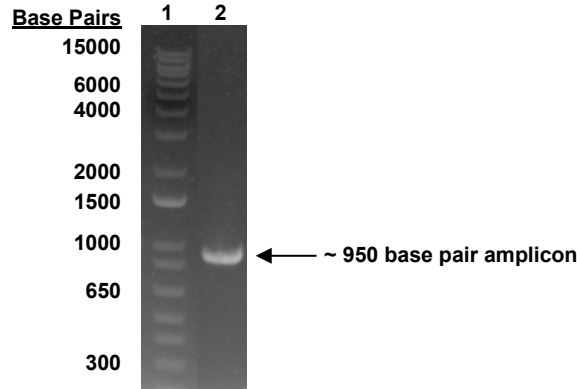
**Lot: 70033925**

**Manufacturing Date: 19MAR2020**

TEST	SPECIFICATIONS	RESULTS
<b>Functional Activity by RT-PCR Amplification<sup>1</sup></b> ORF1ab gene (pre-vial)	~ 950 base pair amplicon	~ 950 base pair amplicon (Figure 1)
<b>Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System</b> (Post-vial; 9 replicates)	Report results	2.1 × 10 <sup>7</sup> genome equivalents/mL

<sup>1</sup>Amplified using iScript™ cDNA synthesis kit with iTaq™ DNA polymerase (BioRad 170-8891 and 170-8870) with 5 µL of NR-52346 in a 50 µL reaction

**Figure 1: Functional Activity by RT-PCR Amplification**



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: PCR product from 0.5 µL of NR-52346

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Program Manager or designee, ATCC Federal Solutions

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