

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

**Catalog No. NR-52350**

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

**Product Description:**

NR-52350 lot 70033928 contains a preparation of heat-inactivated severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020 (BEI Resources NR-52286 lot 70033548) diluted into *Homo sapiens* lung carcinoma cells (A549; ATCC® CCL-185™ lot 70031697), for use as an extraction control in qPCR assays. Lot 70033928 is vialled in phosphate-buffered saline (PBS).

**Lot: 70033928**

**Manufacturing Date: 25MAR2020**

TEST	SPECIFICATIONS	RESULTS
<b>Titer (prior to inactivation, 1/10 dilution of NR-52286)</b>	Report results	4.4 × 10 <sup>3</sup> TCID <sub>50</sub> per vial
<b>Cell Count (pre-vial)</b>	Report results	1.4 × 10 <sup>4</sup> cells per vial
<b>Identification by RT-PCR of Nucleic Acid<sup>1</sup></b> N1 gene (SARS-specific) RNase P gene (human-specific)	Detected Detected	Detected Detected
<b>SARS-CoV-2 Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System</b> (Post-vial; 9 replicates)	Report results	3.4 × 10 <sup>8</sup> genome equivalents per mL

<sup>1</sup>Amplified using Superscript™ III Platinum® One-Step qRT-PCR Kit (Invitrogen™ 11732-088), with 5 µL of NR-52350 in a 25 µL reaction

/Heather Couch/

Heather Couch

13 APR 2020

Program Manager or designee, ATCC Federal Solutions

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