

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

Catalog No. NR-52350

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Product Description:

NR-52350 lot 70048022 contains a preparation of heat-inactivated severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), isolate USA-WA1/2020 (BEI Resources lot 70048020) diluted into *Homo sapiens* lung carcinoma cells (A549; ATCC® CCL-185™), for use as an extraction control in qPCR assays. Lot 70048022 is vialied in phosphate-buffered saline (PBS).

Lot: 70048022

Manufacturing Date: 02DEC2021

TEST	SPECIFICATIONS	RESULTS
Titer (prior to inactivation)	Report results	7.9 × 10 ⁵ TCID ₅₀ per mL
Cell Count (pre-vial)	Report results	5.5 × 10 ⁴ cells per mL
Identification by RT-PCR of Nucleic Acid¹ N1 gene (SARS-specific) RNase P gene (human-specific)	Detected Detected	Detected Detected
SARS-CoV-2 Genome Copy Number Using BioRad QX200 Droplet Digital PCR (ddPCR™) System (Post-vial; 9 replicates)	Report results	1.33 × 10 ⁸ genome equivalents per mL

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

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Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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