

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 70036662 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 70034991) diluted into *Homo sapiens* lung carcinoma cells (A549; ATCC® CCL-185™ lot 70031697), for use as an extraction control in qPCR assays. Lot 70036662 is vialled in phosphate-buffered saline (PBS).

Lot: 70036662

Manufacturing Date: 11JUN2020

TEST	SPECIFICATIONS	RESULTS
Titer (prior to inactivation)	Report results	4.3 × 10 ³ TCID ₅₀ per vial
Cell Count (pre-vial)	Report results	1.4 × 10 ⁴ cells per vial
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	1.9 × 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

/Heather Couch/

Heather Couch

08 JUL 2020

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

