

Genomic RNA from Porcine Respiratory Coronavirus, ISU-1

Catalog No. NR-48572

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Sus scrofa* testicular fibroblasts¹ infected with porcine respiratory coronavirus (PRCV), ISU-1.

Lot²: 63178351

Manufacturing Date: 02FEB2015

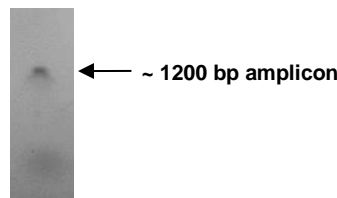
TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (828 nucleotides)	Consistent with PRCV, ISU-1 Consistent with NR-43286	100% identity with PRCV, ISU-1 (GenBank: DQ811787) Consistent with NR-43286
Functional Activity by RT-PCR Amplification³	~ 1200 bp amplicon	~ 1200 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	362 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on ST cells ¹ and evaluated for cytopathic effect	No virus detected	No virus detected

¹ST cells (ATCC[®] CRL-1746[™])

²Nucleic acid was extracted from a preparation of Porcine Respiratory Coronavirus, ISU-1 (BEI Resources NR-43286, Lot 61617361), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] Universal SYBR[®] Green One-Step Kit (Bio-Rad 172-5151) with 5 µL of NR-48572 in a 50 µL reaction

Figure 1



Date: 14 APR 2015

Signature: *Michael R. Gynther*

BEI Resources Authentication

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.

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