

First World Health Organization International Reference Panel for Adventitious Virus Detection in Biological Products by High-throughput Sequencing

Catalog No. NR-59630

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

ATCC® under FDA contract

Product Description:

NR-59630 consists of a panel of seven purified viruses intended to be used together as reference standards for method verification/qualification and validation by high-throughput sequencing/next generation sequencing (HTS/NGS) technologies. Viruses should be used directly without amplification or propagation. For other uses, written approval is needed from the Contributor.

Detailed information for each virus is available on the Certificate of Analysis. Instructions for use are provided on the BEI Resources webpage.

Material Provided:

Each panel contains one vial of each virus listed in Table 1 for a total of 7 vials. Each vial contains at least 0.5 mL of virus prepared from the infected host cell lines indicated in Table 1 and purified by sucrose-gradient centrifugation.

Packaging/Storage:

NR-59630 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°C or colder immediately upon arrival. The viruses should be stored in undiluted aliquots at -80°C upon initial thaw.

Growth Conditions:

Viruses should be used directly and not grown or amplified for use.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: First World Health Organization International Reference Panel for Adventitious Virus Detection in Biological Products by High-throughput Sequencing, NR-59630.”

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following

publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

Disclaimers:

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References:

1. Khan, A. S., Personal Communication.

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Table 1: List of Viruses Included in the Panel

COMPONENT NUMBER	VIRUS	STRAIN (SOURCE)	CELL LINE USED FOR PROPAGATION (ATCC CATALOG NUMBER)
CBER-FSCUST-90™	Purified betacoronavirus (hCoV)	OC43 (ATCC® VR-1558™)	HRT-18G cells (ATCC® CRL-11663™)
CBER-FSCUST-91™	Purified porcine circovirus (PCV)	Type 1 (persistently infected cell line ATCC® CCL-33™)	PK(15) cells (ATCC® CCL-33™)
CBER-FSCUST-92™	Purified mammalian orthoreovirus (REO)	Lang (ATCC® VR-230™)	LLC-MK2 derivative cells (ATCC® CCL-7.1™)
CBER-FSCUST-93™	Purified feline leukemia virus (FELV)	KT-FeLV-UCD-1 (persistently infected cell line ATCC® CRL-8012™)	FL74-UCD-1 cells (ATCC® CRL-8012™)
CBER-FSCUST-94™	Purified Epstein-Barr virus (human herpes virus 4) (EBV/HHV4)	B95-8 (persistently infected cell line ATCC® CRL-1612™)	B95-8 Leukocyte Marmoset culture (ATCC® CRL-1612™)
CBER-FSCUST-95™	Purified respiratory syncytial virus (RSV)	A2 (ATCC® VR-1540™)	HEp-2 cells (ATCC® CCL-23™)
CBER-FSCUST-96™	Purified minute virus of mice (MVM)	Prototype (p) (ATCC® VR-1346™)	A9 cells (ATCC® CCL-1.4™)