

Center for Biologics Evaluation and Research Virus Next Generation Sequencing Reference Reagents

Catalog No. NR-59622

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

ATCC®

Product Description:

NR-59622 consists of a 5-member panel of viral preparations identified by the World Health Organization (WHO) as standards for high-throughput sequencing.^{1,2}

These preparations are intended for next generation sequencing (NGS) studies for method establishment, verification, qualification and validation. For other uses, written approval is needed from the Contributor.

Detailed information for each virus is available on the Certificate of Analysis.

Material Provided:

Each panel contains one vial of each virus listed in Table 1 for a total of 5 vials. Each vial contains approximately 0.45 mL of virus from infected host cell lines indicated in Table 1, concentrated by tangential flow filtration.

Packaging/Storage:

NR-59622 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: Center for Biologics Evaluation and Research Virus Next Generation Sequencing Reference Reagents, NR-59622.”

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.
2. Khan, A. S., et al. “Proposed 1st International Virus Reference Standards for Adventitious Virus Detection in Biological Products by Next-Generation Sequencing (NGS) Technologies (CBER-5).” Expert Committee on Biological Standardization. World Health Organization WHO/BS/2020.2394.
3. [Main Outcomes of the Meeting of the WHO Expert Committee on Biological Standardization Held From 19 to 23 October 2020](#). Proceeding of WHO ECBS, WHO (05 NOV 2020)

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Table 1: List of Viruses Included in the Panel

Item No.	Description	Host Cell Line
SC-VR-6000P™	Custom preparation of porcine circovirus type 1	PK(15) porcine kidney cells (ATCC® CCL-33™)
SC-VR-6001P™	Custom preparation of mammalian orthoreovirus type 1, strain Lang	LLC-MK2 derivative Rhesus monkey kidney cells (ATCC® CCL-7.1™)
SC-VR-6002P™	Custom preparation of feline leukemia virus, strain Thielen	FL74-UCD-1 cat lymphoblast cells (ATCC® CRL-8012™)
SC-VR-6003P™	Custom preparation of human respiratory syncytial virus, strain A2	HEp-2 cells (ATCC® CCL-23™)
SC-VR-6004P™	Custom preparation of Epstein-Barr virus (HHV-4), strain B95-8	B95-8 Leukocyte Marmoset culture (ATCC® CRL-1612™)