

**Human Respiratory Syncytial Virus,  
*A/Homo sapiens*/ARG/177/2006**

**Catalog No. NR-48671**

**For research use only. Not for human use.**

**Contributor:**

Kelly J. Henrickson, M.D., Professor, Departments of Pediatrics and Microbiology, Medical College of Wisconsin, Milwaukee, Wisconsin, USA

**Manufacturer:**

BEI Resources

**Product Description:**

Virus Classification: *Paramyxoviridae*, *Pneumovirinae*, *Pneumovirus*

Species: Human respiratory syncytial virus

Strain/Isolate: *A/Homo sapiens*/ARG/177/2006

Original Source: Human respiratory syncytial virus (RSV), *A/Homo sapiens*/ARG/177/2006 was isolated from the nasal cavity of a human in Buenos Aires, Argentina on June 6, 2006.<sup>1,2</sup> The strain was obtained by Dr. Henrickson from Cristina Videla of the Clinical Virology Laboratory, Centro de Educación Médica e Investigaciones Clínicas, University Hospital, Buenos Aires, Argentina. The complete genome of the *A/Homo sapiens*/ARG/177/2006 strain has been sequenced (GenBank: KF826838).<sup>2,3</sup>

Comments: RSV is the leading cause of respiratory infections in children worldwide. Human RSV, *A/Homo sapiens*/ARG/177/2006 is a clade GA5 virus.<sup>3</sup>

**Material Provided:**

Each vial contains approximately 1 mL of cell lysate and supernatant from HEP-2 cells (ATCC® CCL-23™) infected with human respiratory syncytial virus, *A/Homo sapiens*/ARG/177/2006.

Note: If Homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

NR-48671 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

Host: HEP-2 cells (ATCC® CCL-23™)

Growth Medium: Eagle's Minimum Essential Medium supplemented with 2% fetal bovine serum

Infection: Cells should be 60% to 95% confluent

Incubation: 3 to 7 days at 37°C and 5% CO<sub>2</sub>

Cytopathic Effect: Cell rounding, syncytia formation, and detachment

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Human Respiratory Syncytial Virus, *A/Homo sapiens*/ARG/177/2006, NR-48671."

**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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Henrickson, K. J., Personal Communication.
2. Lorenzi, H., et al. J. Craig Venter Institute, Rockville, Maryland, USA. Direct Submission.
3. Bose, M. E., et al. "Sequencing and Analysis of Globally Obtained Human Respiratory Syncytial Virus A and B Genomes." PLoS One 10 (2015): e0120098. PubMed: 25793751.

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