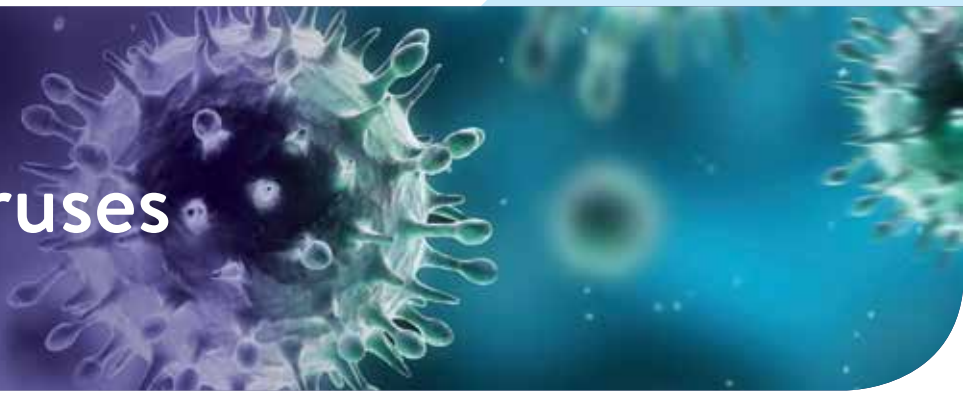




High-Titer Viruses



High-Quality Controls You Can Trust

Obtaining a high-titer, purified virus preparation can be time consuming and costly—requiring technical expertise, specialized equipment, and a broad range of supporting biomaterials and reagents. Give your staff and your budget a break! ATCC now offers purified viral preparations of clinically relevant strains that are convenient and ready-to-use. With each preparation, you can expect:

- High infectious titer of $>10^7$ TCID₅₀/mL, CEID₅₀/mL, or PFU/mL
- Genome copy number quantified by Droplet Digital™ PCR (Bio-Rad)
- Purity obtained via ultracentrifugation through sucrose
- Identity and viability verified using a polyphasic approach



These high-quality products are suitable for use in a wide variety of applications, including basic research, assay development and validation, antiviral and immunological screening, infectivity assays, and more!

To order ATCC purified viruses, visit us online at www.atcc.org/PurifiedViruses.



TABLE 1. ATCC High-Titer Viruses

ATCC® No.	Organism	Isolation
VR-1823PQ™	Enterovirus D68	Nasopharyngeal swab from patient with respiratory illness, Missouri, September 2014
VR-1825PQ™	Enterovirus D68	Nasopharyngeal swab from patient with respiratory illness, Kentucky, September 2015
VR-1492PQ™	Human gammaherpesvirus 4	Derived from a patient with transfusion-induced infectious mononucleosis
VR-26PQ™	Human respiratory syncytial virus	17-month-old male with pneumonia, Maryland, 1956
VR-283PQ™	Human rhinovirus 16	Throat swab from healthy 2-year-old female, Washington, D.C., 1960
VR-284PQ™	Human rhinovirus 14	Throat swab from young adult with upper respiratory illness, South Carolina, 1959
VR-1645PQ™	Human rhinovirus 1B	Presumed from human throat washings
VR-1804PQ™	Influenza B virus	Human, Florida, 2006
VR-95PQ™	Influenza A virus (H1N1)	Patient, Puerto Rico, 1934
VR-544PQ™	Influenza A virus (H3N2)	Patient, Hong Kong, 1968
VR-1882PQ™	Influenza A virus (H3N2)	Human, Wisconsin, 2009
VR-1883PQ™	Influenza B virus	Human, Wisconsin, 2010
VR-1838PQ™	Zika virus	Blood of a rhesus monkey, Entebbe, Uganda, 1947
VR-1843PQ™	Zika virus	Human serum specimen, Puerto Rico, December 2015



TABLE 2. Supporting Products

ATCC® No.	Product Description
CCL-23™	HEp-2
CCL-34™	MDCK
CCL-81™	Vero
CCL-136™	RD
CRL-1586™	Vero C1008
CRL-1958™	H1HeLa
30-2003™	Eagle's Minimum Essential Medium (EMEM)
30-2020™	Fetal Bovine Serum (FBS)
30-2200™	Dulbecco's Phosphate Buffered Saline (D-PBS)

Custom Solutions To Fit Your Unique Project Needs

ATCC has over 90 years of experience with *in vitro* cultivation, applications and research, preservation techniques, master and working cell banking, packaging in a variety of formats, and shipping to international locations. Collaborating with ATCC provides you with access to a wide range of services and customized solutions, including:


- Cellular and microbial expansion (MCB, WCB)
- Small- and large-scale production of nucleic acids
- Quantification (titering, qPCR, ddPCR™)
- Inactivation of microbial strains
- Viral purification
- Cell line authentication (STR profiling analysis; CO1 testing; mycoplasma testing via PCR, direct agar culture, indirect Hoechst DNA staining)
- Cell derivation (primary, hematopoietic, iPS cells)
- Cell line generation, biobanking, and distribution services
- Type strain deposit

For more information on our custom solutions, visit www.atcc.org/Services.



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