Human herpesvirus 1
VR-733™

Description
Human herpesvirus 1 strain F is propagated in HEp-2 cells (ATCC CCL-23). This strain was isolated from the facial vesicle of a human patient and has applications in susceptibility testing and virucide testing.

Strain designation: F
Common name: Herpes simplex virus 1 (HSV-1)
Deposited As: Herpes simplex virus 1
Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number: 4,760,079
Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions
Storage conditions: -70°C or colder

Intended Use
This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any
BSL 2

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ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: HEp-2 (ATCC CCL-23)
Effects: cell clustering; cell rounding; CPE

Complete medium:
EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

Temperature: 34°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: Plate cells 24 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 34°C in a humidified 5% CO₂ atmosphere while rocking continuously. End adsorption by adding virus growth medium.

Incubation: 1-3 days

Handling Procedures
Mycoplasma contamination: Not detected

Notes

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle’s Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection

Material Citation
If use of this material results in a scientific publication, please cite the material in the following manner: Human herpesvirus 1 (ATCC VR-733)

References

References and other information relating to this material are available at www.atcc.org.
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Contact Information
ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Human herpesvirus 1  
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Worldwide telephone: +1-703-365-2700  
Email: tech@atcc.org or contact your local distributor