Human herpesvirus 6B

VR-1467™

Description

Human herpesvirus 6B strain Z-29 is propagated in MOLT-3 cells (ATCC CRL-1552). This strain was isolated from the peripheral blood lymphocytes of a 36-year-old, male AIDS patient in Zaire. It has applications in infectious disease research.

Strain designation: Z-29

Deposited As: Human herpesvirus 6B

Storage Conditions

Product format: Frozen

Storage conditions: Vapor phase of liquid nitrogen

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 diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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: MOLT-3 (ATCC CRL-1552)
Effects: CPE; cell clustering; cell rounding
Complete medium:
RPMI-1640 (ATCC 30-2001) + 10% FBS (ATCC 30-2020)
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2
Recommendations for infection: For best results, initial inoculation should proceed directly after splitting of the uninfected MOLT 3 cells.
Incubation: 7 days at 37°C, a 5% CO_2 in air atmosphere is recommended. Multiple 7 day passes may be required to achieve acceptable titer. It may be difficult to obtain high titer preparations.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Will not survive long-term storage at -70°C. This variant of the Z-29 strain has been adapted for growth in MOLT-3 cells. HHV-6 is the cause of exanthem subitum (ES) (roseola infatum or sixth disease) and has been implicated in a number of other childhood syndromes.

Key Abbreviations: °C, Degrees Celsius; AIDS, Acquired immune deficiency syndrome; FBS, Fetal bovine serum; MOLT-3, Human peripheral blood cells; PBL, Peripheral blood lymphocytes; RPMI-1640, Roswell Park Memorial Institute modified media

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human herpesvirus 6B (ATCC VR-1467)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

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