Product Sheet

Human gammaherpesvirus 4 (HHV-4) (ATCC® VR-1492PQ™)

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human gammaherpesvirus 4 (HHV-4) (ATCC® VR-1492PQ™)

Propagation

B95-8 cells

Effect on Host:

EBV transforms/immortalizes human and other primate B-lymphocytes. Indicators of transformed cells include cone-shaped cells, cells with spike-like projections, and small clusters of healthy cells.

Medium:

IMDM (ATCC® 30-2005™) + 10% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 37°C

Recommendations for Infection: This EBV preparation is capable of transforming B-lymphocytes from a preparation of normal human lymphocytes when co-cultivated with a feed layer culture (such as ATCC® 55-X™).

Incubation: 10-25 days at 37°C in a humidified 5% CO₂ atmosphere, until indicators of successful transformation appear.

Comments

ATCC® VR-1492PQ™ is a high-titer, purified, live virus suspended in 10 mM Tris-HCL (pH 7.5) with 135 mM NaCl, 0.5% BSA, and 5% Trehalose. This product was prepared from ATCC® VR-1492™ via purification by tangential filtration.

This EBV preparation is capable of transforming B-lymphocytes from a preparation of normal human lymphocytes when co-cultivated with a feed layer culture (such as ATCC® 55-X™). Quality control testing is done by transformation assay instead of TCID₅₀.

References

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

Key Abbreviations

°C (C), degree Celsius
CO₂ (CO₂), carbon dioxide
CPE, cytopathic effect
EBV, Epstein-Barr Virus
IMDM, Iscove's Modified Dulbecco's Medium
FBS, fetal bovine serum

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty
The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org.

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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