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

**Description**

- **Strain:** B95-8
- **Classification:** Herpesviridae, Lymphocryptovirus
- **Common Name:** Epstein-Barr virus
- **Original Source:** Human lymphoblastoid cell line (883L) derived from a patient with transfusion-induced infectious mononucleosis.
- **Depositor:** G Miller

**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

**Propagation**

- **Propagation Host:** 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](http://www.atcc.org).

**Key Abbreviations**

- °C (C), degree Celsius
- CO₂ (CO₂), carbon dioxide
- CPE, cytopathic effect
- EBV, Epstein-Barr Virus
- IMDM, Iscoves 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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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.

© ATCC 2019. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [08/02]