Enterovirus D68, High titer (ATCC® VR-1823PQ™)

Please read this FIRST

Storage Temp. 
-70°C or colder

Biosafety Level: 2

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: Enterovirus D68, High titer (ATCC® VR-1823PQ™)

Propagation

Propagation Host: RD cells (ATCC® CCL-136™)

Effect on Host: CPE, refractile rounding and sloughing

Medium: DMEM (ATCC® 30-2002™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions
Temperature: 33°C

Recommendations for Infection: Plate cells 16-24 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. 0.01). Adsorb 1-2 hours at 33°C in a humidified 5% CO₂ atmosphere rocking continuously at 0.5 rpm. End adsorption by adding virus growth medium.

Incubation: 2-3 days at 33°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

Comments

ATCC® VR-1823PQ™ is a high-titer, live virus suspended in 50 mM Tris-HCl + 150 mM NaCl + 1 mM EDTA + dH₂O. This product was prepared from ATCC® VR-1823™ via concentration through a sucrose cushion.

References

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

Key Abbreviations

°C, Degrees Celsius
CO₂, Carbon dioxide
DMEM, Dulbecco’s Minimum Essential Media
EDTA, Ethylenediaminetetraacetic acid
FBS, Fetal bovine serum
MOI, Multiplicity of infection
RD, Rhabdomyosarcoma cell line

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.
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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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