Description

Strain: Ellen
Classification: Herpesviridae, Varicellovirus
Common Name: Varicella zoster virus
Original Source: Vesicular fluid from child with chickenpox, Georgia. Derived from VR-586™. Treated to remove Mycoplasma hominis at ATCC.
Depositor: EI Rosanoff, Wyeth Laboratories, Inc.

Batch-Specific Information

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

Propagation

Propagation Host:
MRC-5 (ATCC® CCL-171™)

Effect on Host:
CPE, syncytial rounding and sloughing

Medium:
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions
Temperature: 36°C

Recommendations For Infection: This product is produced by co-cultivation of virus with fresh host cells. Seed culture vessels at 1 x 10^5 cells per cm^2. Calculate the volume of virus needed to achieve an optimal MOI (e.g. 0.01) and then dilute virus in virus growth medium to prepare the virus inoculum. Add virus inoculum to culture vessels. Incubate for 24 hours at 36°C in a humidified 5% CO_2 atmosphere. Aspirate virus growth medium to remove any traces of DMSO and then add fresh virus growth medium to cultures. Continue incubation.

Incubation: 4-7 days

Comments

Passage the virus by co-infection of fresh cells. Thaw ampoule in 37°C water bath. Use virus to co-infect cells in a T25 flask for first passage. Multiple passages may enhance the titer. Preserve as you would live cells.

References

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

Key Abbreviations

°C, degrees Celsius
CO_2 (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagle's minimum essential 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.

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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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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

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