Description

Strain: RA27/3
Classification: Togaviridae, Rubivirus
Common Name: Rubella virus
Original Source: Human fetus with congenital rubella
Depositor: SA Plotkin

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:
No distinct CPE in MRC-5, but there is some general deterioration in MRC-5. LLC-MK₂ has more distinct rounding CPE at high titer.

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

Growth Conditions
Incubation: 12-14 days at 30°C, a 5% CO₂ in air atmosphere is recommended.

Recommendations for Infection: For best results cells should be 24 to 48 hours old and 80% - 90% confluent (not 100% confluent).

Comments

Attenuated for humans. Licensed for human vaccination. Best grown in MRC-5 and best titered in LLC-MK₂. Hemagglutinates baby chicken or trypsinized H Type O red blood cells.

References

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

Key Abbreviations

°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagles Minimum Essential Medium
FBS, fetal bovine serum
MRC-5, human embryonic lung diploid cells

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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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
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: Rubella virus (ATCC® VR-1359™)