Strain: LCR 4  
Classification: Picornaviridae, Enterovirus  
Common Name: Bovine enterovirus Type 1  
Original Source: Stool of healthy cow (Michigan)  
Depositor: CM Kunin

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

Propagation

Propagation Host:
Monkey kidney cells; BT cells (ATCC® CRL-1390™)

Effect on Host:
CPE, rounding and sloughing

Growth Conditions

Temperature: 37°C
Incubation: 1 to 3 days with 5% CO₂ in air atmosphere recommended

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

Cultivated readily in amniotic fluid of embryonated eggs. Produces paralytic disease in suckling mice closely resembling Coxsackievirus A disease.

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 E (ATCC® VR-248™)

References

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

Key Abbreviations

°C, degrees Celsius
BT, bovine turbinate cells
CO₂, carbon dioxide
CPE, cytopathic effect

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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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