Strain: BIAH-001
Classification: Arteriviridae, Arterivirus
Original Source: Combined tissues obtained from a SIRS infected piglet
Depositor: Boehringer Ingelheim Corp.

Batch-Specific Information

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

Propagation

Propagation Host:
MA-104 Clone 1 cells (ATCC® CRL-2378.1™)

Effect on Host:
CPE, cell rounding and sloughing. CPE progresses rapidly once it starts.

Medium:
EMEM (ATCC® 30-2003™) + 5% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 35°C

Recommendations for Infection: For best results, infection should be performed on a 80-90% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 35°C, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 2-5 days at 35°C in a humidified atmosphere, until CPE is progressed through 80% of the monolayer.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Porcine reproductive and respiratory syndrome virus (ATCC® VR-2332™)

References

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

Key Abbreviations

°C, degrees Celsius
CPE, cytopathic effect
EMEM, Eagle’s minimum essential medium
FBS, fetal bovine serum
PBS, phosphate buffered saline
RNA, ribonucleic acid
SIRS, Swine infertility and respiratory syndrome

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

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

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