Strain: Kanitz
Classification: Herpesviridae, unclassified
Common Name: Porcine cytomegalovirus
Original Source: spleen, liver, and kidney homogenate of a pig
Depositor: CL Kanitz

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

Propagation

Propagation Host:
Host of Choice: No host needed for passage. Preparation consists of persistently infected cells.
Host Range: Primary porcine turbinate (PT-K75: CRL-2528) cells; Pr pig lung, Pr swine testicle, Pr porcine turbinate
Effect on Host:
Yes, in vitro effects: Cytopathic effects (foci of grainy cells, some giant cells that become detached)
CPE upon co-cultivation with PTK-75 cells (CRL-2528): foci of grainy cells, some giant cells that become detached
Yes, in vivo effects: edema in lungs of pig
Yes, in vivo effects: petechiation in kidneys of pig

Growth Conditions
Duration: 4-6 days at 37°C in PTK-75 cells (ATCC CRL-2528), 5% CO2

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: Porcine cytomegalovirus (ATCC® VR-1499™)

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

Key Abbreviations
(define all terms used on the product sheet and on batch specific product sheet)
CPE, cytopathic effect
DMEM, Dulbecco’s Modified Eagle’s Medium
FBS, fetal bovine serum
TCID<sub>50</sub> (TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.
PCMV, porcine cytomegalovirus
Pr, primary
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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.
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
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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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