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

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

This holding consists of porcine cells persistently infected with Porcine cytomegalovirus. Virus may be important for xenotransplantation.

References
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
TCID₅₀ (TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ 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.
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Additional information on this culture is available on the ATCC web site at www.atcc.org.
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