**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:** No host needed for passage. Preparation consists of persistently infected cells.

**Host Range:** Primary porcine turbinate (PTK-75: 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](http://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_{50}, The Tissue Culture Infectious Dose  
50% endpoint is the 50% infectious endpoint in cell culture. The TCID_{50} 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_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID_{50} provides a measure of the titer (or infectivity) of a virus preparation.  
PCMV, porcine cytomegalovirus  
Pr, primary  
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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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