### Description

**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 (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

### Comments

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

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