



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

**Reagent:** ☒ CMV AD169

**Catalog Number:** 1910

**Lot Number:** 2 93140 54-176

**Release Category:** A

**Provided:** 1 ml cell-free virus.  
Titer:  $10^{5.25}$  TCID<sub>50</sub>/ml in HFF cells after 10 days of culture.

**Description:** AD169 is a wild-type strain of human CMV that replicates to reasonable titers in the laboratory. It has been widely used as a prototype strain for laboratory studies and its entire nucleotide sequence is known.

**Special Characteristics:** GenBank Accession No.: X17403.  
Propagation: Propagate in human foreskin fibroblasts maintained in DMEM supplemented with 10% fetal bovine serum, 0.03% L-glutamine, pen-strep, and NaHCO<sub>3</sub> buffer (DME-10). Infect cells at a MOI of 0.01-0.1 pfu/cell (dilute stocks as necessary in DME-10) using volumes that just cover the monolayer (e.g., 1 ml per 100 mm dish). Incubate at 37°C for 1 hour, gently shaking the dish every 15 minutes to ensure even coverage. Remove the inoculum and maintain the cells in fresh, uninfected DME-10 at 37°C until CPE appear. Infection can be accelerated by trypsinizing and replating the cells. Supernatant virus can be collected daily during advanced infection. To also harvest intracellular virus, scrape the cells into the medium, sonicate for 45 seconds using a horn cup sonicator at full power, and clarify the supernatant by centrifugation. Add glycerol to 10%, and freeze aliquots in liquid nitrogen.  
Original Source: Human adenoidal tissues.  
Host: Primary human fibroblasts. Infects other human cells.

**Recommended Storage:** Liquid nitrogen

**Contributor:** Dr. Karen Biron.

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**References:** Rowe et al. *Proc Soc Exp Biol Med* **84**:570-573, 1953.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, AIDS Program, NIAID, NIH: CMV AD169 from Dr. Karen Biron." Also include the reference cited above in any publications.

**Last Updated:** June 21, 2013

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