



NIH AIDS Reagent Program

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DATA SHEET

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| Reagent: | ☒ CMV PFArD100 (Foscarnet Resistant) |
| Catalog Number: | 1666 |
| Lot Number: | 1 Blue |
| Release Category: | C |
| Provided: | 1 ml cell-free virus, 1.8×10^5 pfu/ml. |
| Special Characteristics: | <p>The virus is also cross-resistant to acyclovir. Resistance was determined by plaque reduction and dot blot assays.</p> <p>Preparation: Propagate in human foreskin fibroblasts maintained in DMEM supplemented with 10% fetal bovine serum, 0.03% L-glutamine, pen-strep, and NaHCO₃ buffer (DME-10). Infect cells at an 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 until generalized cytopathic effects appear. Infection can be accelerated by trypsinizing and re-plating the cells. To harvest 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.</p> <p>Original Source: This resistant virus was selected by serial passage of CMV AD169-infected foreskin fibroblasts in increasing concentrations of foscarnet.</p> <p>Host Site: Primary human foreskin fibroblasts.</p> |
| Recommended Storage: | Liquid nitrogen. |
| Contributor: | Dr. Donald Coen. |
| References: | Sullivan V, Coen DM. Isolation of foscarnet-resistant human cytomegalovirus patterns of resistance and sensitivity to other antiviral drugs. <i>J Infect Dis</i> 164:781-784, 1991. |

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, AIDS Program, NIAID, NIH: CMV PFAR100 (Foscarnet Resistant) from Dr. Donald Coen." Also include the reference cited above in any publications.

Corporate requests should be directed to Dr. Donald Coen, Harvard Medical School, Department of Biological Chemistry and Molecular Pharmacology, 250 Longwood Ave., Boston, MA 02115.

Last Updated:

June 21, 2013

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