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DATA SHEET

Reagent:	CMV GDGrK17 (Ganciclovir Resistant)
Catalog Number:	1669
Lot Number:	3 96004
Release Category:	C
Provided:	1 ml cell-free virus, 2.9 X 10^4 PFU/ml.
Special Characteristics:	UL97 ganciclovir-resistant mutant of human cytomegalovirus. Isolated by transferring the ganciclovir-resistance mutation contained in the UL97 gene of mutant 759^{r}D100 into wild type strain AD169. GDG^{r}K17 is specifically deficient in ganciclovir phosphorylation. Host Site: Primary human foreskin fibroblasts. Also infects other human cells. Preparation: Propagate in human foreskin fibroblasts maintained in DMEM supplemented with 10% fetal bovine serum, 0.03% L-glutamine, and $NaHCO_3$ 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 replating the cell. Original Source: Derived by marker transfer from mutant 759^{r}D100 and wild type strain AD169. Sterility: Negative for bacteria, fungi, and mycoplasma.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Donald Coen.
References:	Sullivan V, Talarico CL, Stanat SC, Davis M, Coen DM, Biron KK. A protein kinase homologue controls phosphorylation of ganciclovir in human cytomegalovirus-infected cells. *Nature* 358:162–164, 1992.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, AIDS Program, NIAID, NIH: CMV GDGrK17 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