**Reagent:**
HIV-1 MVP 5180/91 Virus

**Catalog Number:**
2878

**Lot Number:**
098303

**Release Category:**
C

**Provided:**
1 mL cell-free virus
p24 = 245 ng/mL

**Original Source:**
Isolated in 1991 from a 34-year-old Cameroon woman who died of AIDS in 1992

**Host Strain:**
Grows well in HUT 78, MT-2, Jurkat, and C8166 cells. Easily adapted for growth in U937 cells after three weeks in culture.

**Propagation:**
Grown in HUT 78 cells, RPMI 1640 85%; FBS 15%.

**Sterility:**
Negative for mycoplasma, bacteria and fungi.

**Description:**
R5 and X4

**Special Characteristics:**
This virus is the second HIV-1 subtype O isolate described (the first after ANT70). Causes giant cell formation in lymphocytes and continuous cell lines. Re-feed with uninfected cells as needed. Virus titers up to $10^5$ can be obtained in cell culture. Titer decreases quickly after approximately ten weeks of culture, so new cultures should be established every four to five weeks. Standard primers used for PCR detection of other HIV-1 subtypes do not detect this isolate (see Loussert-Ajaka et al, *Lancet* 343:1393, 1994).

**Recommended Storage:**
Liquid nitrogen.

**Contributor:**
Dr. Lutz Gürtler.

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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.

REV: 07/31/2018

NOTE: Acknowledgment for publications should read “The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 MVP 5180/91 Virus from Dr. Lutz Gürtler.” Also include the reference cited above in any publications.

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