



NIH AIDS Reagent Program

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DATA SHEET

Reagent: ☒ HIV-2 D194 Virus

Catalog Number: 1337

Lot Number: 081991

Release Category: E

Provided: 1 ml cell free virus obtained from infected HUT-78 cells, TCID50 > 1:300.

Original Source: Isolated from PBLs of a Gambian with exclusively neurological symptoms. Patient later died of progressive multifocal leukoencephalopathy associated with JC virus infection.

Propagation: Originally isolated from PBLs by cocultivation with uninfected human umbilical cord blood lymphocytes. Maintained in culture by coculturing infected cord blood lymphocytes with HUT-78 or U-937 cells.

Sterility: Negative for bacteria, fungi, and mycoplasma.

Description: HIV-2 D194 adapted to HUT-78 cells

Special Characteristics: Produces high levels of particle-associated RT in fresh PBL cultures. High RT levels are obtained when virus is used to infect primary human monocytes/macrophages (monocytotropic HIV-2 strain). This virus also stably infects U-937 and HUT-78 cells. Little or no syncytium formation is seen.
Host: Human PBLs, monocytes/macrophages, HUT-78, U-937.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Hagen von Briesen.

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:

Kühnel H, von Briesen H, Dietrich U, Adamski M, Mix D, Biesert L, Kreutz R, Immelmann A, Henco K, Meichsner C, Andreesen R, Gelderblom H, Rübsamen-Waigmann H. Molecular cloning of two West African human immunodeficiency virus type 2 isolates that replicate well in macrophages: a Gambian isolate, from a patient with neurologic acquired immunodeficiency syndrome, and a highly divergent Ghanian isolate. *Proc Natl Acad Sci USA* **86**:2383-2387, 1989. von Briesen H, Andreesen R, Rübsamen-Waigmann H. Systematic classification of HIV biological subtypes on lymphocytes and monocytes/macrophages. *Virology* **178**:597-602, 1990.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-2 D194 Virus from Dr. Hagen von Briesen." Please include the references cited above in any publications.

European patent No. for HIV-2D194: 89710057.4; PCT No.: 07/994081 (patent pending); EMBL Accession No.: X52223; GenBank Accession No.: 204542.

Last Updated:

July 10, 2018

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