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DATA SHEET

Reagent: RT-SHIVmne

Catalog Number: 11685

Lot Number: 120231

Release Category: A

Provided: 1 ml of virus. TCID₅₀ 2.94 x 10⁶ on CEMx174; p27 >1,536 ng/mL.

Host Strain: Infectious stocks of full-length RT-SHIVmne were prepared from a plasmid encoding the 5'-half of RT-SHIVmne cl8 containing the RT coding region of HIV-1 HXB2 (Ambrose et al., J Virol 2004) and the 3'-half of SIVmne027 (Kimata et al., J Virol 1998). The plasmid was transfected into 293T cells to make virus, which was used to infect CEMx174 cells and passaged until a high titer was reached.

Propagation: Passage in CEMx174 cells or macaque PBMC in RPMI containing 10% FBS and pen/strep.

Description: This virus is a SIVmne that contains the HIV-1 HXB2 RT coding region.

Recommended Storage: Liquid Nitrogen

Contributor: Dr. Zandrea Ambrose

References: Ambrose et al. Suppression of viremia and evolution of human immunodeficiency virus type 1 drug resistance in a macaque model for antiretroviral therapy. 2007 Nov;81(22):12145-55.

Ambrose et al. In vitro characterization of a simian immunodeficiency virus-human immunodeficiency virus (HIV) chimera expressing HIV type 1 reverse transcriptase to study antiviral resistance in pigtail macaques. J Virol. 2004 Dec;78(24):13553-61.

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, Division of AIDS, NIAID, NIH: (Reagent Name) from Dr. Zandrea Ambrose."

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated:

November 17, 2020

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