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DATA SHEET

Reagent:	$SIV_{mac}239$ phage
Catalog Number:	210
Lot Number:	3 99093
Release Category:	C
Provided:	200 µl of >4 x 10^9 pfu/ml in SM buffer. Propagate on LE392 or NM539.
Description:	Originally isolated from a macaque (Mm-239-82) inoculated with cell-free plasma from infected macaques. Virus represents the second successive transmission of virus from macaque Mm-251-79. Infected HUT 78 cells were obtained by inoculation with cell-free serum from Mm-239-82. *Eco*RI-digested total cell DNA from HUT 78-$SIV_{mac}239$ was inserted into the *Eco*RI site of λ EMBL4 (Stratagene) to create a library, which was then screened with pK2 *Bam*A to obtain full-length molecular clones. For the plasmid version of SIVmac239 please see catalog# 12249, SIVmac239 SpX.
Special Characteristics:	Propagates well in CEMx174 and MT4 cells. Virus made from this clone causes AIDS in monkeys. Genbank accession number is M33262. $SIV_{mac}239$ Plasmid Map
Recommended Storage:	4-8°C.
Contributor:	Dr. Ronald Desrosiers.
References:	Daniel MD, Letvin NL, King NW, Kannagi M, Sehgal PK, Hunt RD, Kank, PJ, Essex M, Desrosiers RC. Isolation of T-cell tropic HTLV-III-like retrovirus from macaques *Science* **228**:1201-1204, 1985. Kestler HW III, Kodama T, Ringler D, Marthas M, Pedersen N, Ratner A, Regier D, Sehgal T, Daniel M, King N, Desrosiers R. Induction of AIDS in rhesus monkeys by molecularly cloned simian immunodeficiency virus. *Science* **248**:1109-1112, 1990.

Naidu YM, Kestler HW III, Li Y, Butle, CV, Silva DP, Schmidt DK, Troup CD, Sehgal PK, Sonigo P, Daniel MD, Desrosiers RC. Characterization of infectious molecular clones of simian immunodeficiency virus (SIV_{mac}) and human immunodeficiency virus type 2: Persistent infection of rhesus monkeys with molecularly cloned SIV_{mac}. *J Virol* **62**:4691-4696, 1988.

Regier DA, Desrosiers R. The Complete nucleotide sequence of a pathogenic molecular clone of simian immunodeficiency virus. *AIDS Res Hum Retroviruses* **6**:1221-1231, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: $SIV_{mac}239$ phage from Dr. Ronald Desrosiers." Also include the references cited above in any publications.

Available only for non-commercial use. Requests from commercial organizations should be directed to Harvard Medical School Office of Technology Development at the following email address: hms_materialtransfer@harvard.edu.

Last Updated: May 10, 2017