Simian Immunodeficiency Virus, SIVsmE543-Gag S37 S98

Catalog No. HRP-20117
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Lot No. 70051474

For research use only. Not for use in humans.

Contributor and Manufacturer:
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Product Description:
VIRUS CLASSIFICATION: Retroviridae, Lentivirus
SPECIES: Simian immunodeficiency virus
STRAIN/ISOLATE: SIVsmE543-Gag S37 S98
ORIGINAL SOURCE: Simian immunodeficiency virus (SIV), SIVsmE543-Gag S37 S98 is an infectious viral clone derived from SIVsmE543-3 (HRP-20116) in which two amino acid substitutions, P37S and R98S, were introduced in the capsid region to confer resistance to TRIM5 TFP inhibition.1,2,3
COMMENTS: SIVsmE543-Gag S37 S98 has more uniform replication among a cohort of rhesus macaques that differs in TRIM5 haplotypes.1,2 The complete genome of strain SIVsmE543-3 has been sequenced (GenBank: U72748.2).

Material Provided:
Each vial contains approximately 1.0 mL of viral culture supernatant. The virus supernatants were prepared by centrifugation followed by filtration through a 0.45 µm filter. HRP-20117 has not been tested for mycoplasma contamination.1

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
HRP-20117 was packaged aseptically in plastic cryovials. The product is provided frozen and should be stored at -100°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
HOST: Rhesus macaque peripheral blood mononuclear cells (PBMC)
GROWTH MEDIUM: RPMI 1640 medium supplemented with 10% heat-inactivated fetal bovine serum
INFECTION: Cells should be 70% to 90% confluent

INCUBATION: 10 to 14 days at 37°C and 5% CO2

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, NIAID, NIH: Simian Immunodeficiency Virus, SIVsmE543-Gag S37 S98, HRP-20117, contributed by Dr. Vanessa M. Hirsch.”

Biosafety Level: 2

Disclaimers:
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References:

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