

**Centre for AIDS Reagents**

**Data Sheet**

**NAME:** Pseudotyped virus SVA-MLV(pSG3?env)/293T/17

**REPOSITORY REFERENCE:** ARP1157 (201001225230P)

**HARVEST DATE:** 29/JAN/10

**DESCRIPTION:** MLV Env-pseudotyped virus for negative control in neutralizing antibody TZM-bl assay

**HOST CELLS:** 293T/17 (P24)

**ENVELOPE SPECIFICATION:** SVA-MLV

**BACKBONE PLASMID:** pSG3 delta env (was derived from pSG3.1 by partial SpeI digestion, Klenow filling of the 3' recessed ends and religation. This introduced a four nucleotide insertion mutation (CTAG) in env and a translation stop codon after amino acid residue 142).  
Accession number: L02317

**RECOMMENDED VIRUS DILUTION  
IN NEUTRALISING ANTIBODY  
IN TZM-BL CELLS:** 1:120  
1:120 (1x thawed)

**PROJECTED RLU EQUIVALENCE  
IN TZM-BL CELLS:** 100.000

**PRESENTATION:** 1 ml

<b>STORAGE:</b>	-80°C
<b>BIOHAZARD:</b>	Biosafety Level II or III as HIV-1 Env-pseudoviruses are revertible to replication competent HIV
<b>SOURCE:</b>	<p>Env plasmid was provided by David Montefiori and the backbone plasmid was contributed by John Kappes and Xiaoyun Wu.</p> <p>MLV Env-pseudotyped virus was produced by Stefanie Koch, Andreas Meyerhans and Hagen von Briesen at HSC (HIV Specimen Cryorepository) under GCLP conditions.</p>
<b>REFERENCES:</b>	<p>Wei S, Decker JM, Liu H, Zhang Z, Arani RB, Kilby JM, Saag MS, Wu X, Shaw GM, and Kappes JC. Emergence of resistant human immunodeficiency virus type 1 in patients receiving fusion inhibitor (T-20) monotherapy. <i>Antimicrob Agents Chemother</i> 46: 1896-1905, 2002.</p> <p>Wei X, Decker JM, Wang S, Hui H, Kappes JC, Wu X, Salazar-Gonzales JF, Salazar MG, Kilby JM, Saag MS, Komarova NL, Nowak MA, Hahn BH, Kwong PD and Shaw GM. Antibody neutralization and escape by HIV-1. <i>Nature</i> 422: 307-312, 2003.</p>
<b>LEGAL NOTE:</b>	<p>Consultation needed</p> <p>The HIV pseudovirus production and distribution project is a collaborative effort of the Comprehensive Antibody Vaccine Immune Monitoring Center (CA-VIMC) (PI David Montefiori) and the HIV Specimen Cryorepository (HSC) (PI Hagen von Briesen) within the Collaboration for AIDS Vaccine Discovery (CAVD) (founded by the Bill and Melinda Gates foundation).</p> <p>Production, quality control and distribution of HIV-1 Env-pseudoviruses is conducted by the HSC (Stefanie Koch, Hagen von Briesen). HIV Env-pseudoviruses are provided on a collaborative basis with Stefanie Koch, Andreas Meyerhans and Hagen von Briesen.</p>

**ACKNOWLEDGEMENTS:**

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgements” section at:

[www.nibsc.ac.uk/spotlight/centre\\_for\\_aids\\_reagents.aspx](http://www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx)

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)