DATA SHEET

Reagent: HIV-1 HXB2 ΔEnv Non-infectious Molecular Clone (pMenv(-))

Catalog Number: 2089

Lot Number: 2 09/10/93

Release Category: C

Provided: 1 ml ampicillin-resistant transformed HB101 bacteria.

Cloning Vector: pHXB2gpt, an infectious proviral clone of HIV-1IIIb.

Description: Site-directed mutagenesis was used to introduce a termination codon (TGA) in place of the methionine initiator codon (ATG) in the env gene. The mutant (designated Menv2 in the reference) is unable to synthesize Env.

Special Characteristics: Virus-like particles and normal levels of viral protein (except Env) and RNA are produced after transient transfection into COS-1 or other permissive cells. Virus derived from the clone is not infectious in primary lymphocytes and macrophages, and several CD4+ and CD4- human cell lines tested. The mutant reverts readily to the wild type phenotype and resumes cell-free infectious properties when wild type env is supplied in trans. Source of Pro Virus: HIV-1HXB2 viral DNA from HIV-1IIIb (Catalog #398, from Dr. R. Gallo).

Recommended Storage: -70°C.

Contributor: Dr. Reza Sadaie.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 HXB2 ΔEnv Non-infectious Molecular Clone (pMenv(-)) from Dr. Reza Sadaie." Also include the reference cited above in any publications.

Last Updated: September 14, 2017