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## DATA SHEET

**Reagent:** HIV-1 Consensus B Env Peptide Set

**Catalog Number:** 9480

**Lot Number:** 098265

**Provided:** 211 vials, 1.0 mg each, lyophilized.

**Sequence:** The protein sequence is available at <http://www.hiv.lanl.gov/content/sequence/PEPTGEN/peptgen.html>

**HPLC Purity:** See table.

**Solubility:** See attached table. Peptides that are difficult to solubilize can almost always be dissolved in DMSO. Once a peptide is in solution, the DMSO can be slowly diluted with aqueous medium. Care must be taken to ensure that the peptide does not begin to precipitate out of solution.

**Please note: Cys and Met containing peptide sequences are highly unstable when stored in DMSO for prolonged periods of time; peptide decay is often observed within days to weeks. If DMSO is required, we recommend freshly-prepared working solutions from freeze dried aliquots of these peptides, and prepared pools.**

**Special Characteristics:** Series of peptides comprising the Subtype B Env region. Most of the peptides are 15 amino acids in length, with 11-amino acid overlaps between sequential peptides. Most peptides are >80% pure. Peptides that are difficult to solubilize can almost always be dissolved in DMSO. Once a peptide is in solution, the DMSO can be slowly diluted with aqueous medium. Care must be taken to ensure that the peptide does not begin to precipitate out of solution.

[Table 1. HIV Consensus B Env Peptides.](#)

[Click here for individual peptide analytical data](#)

**Contributor:** DAIDS, NIAID.

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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: HIV-1 Consensus Subtype B Env (15-mer) Peptides - Complete Set."

**Last Updated:** April 07, 2017

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