Reagent: Peptide Array, Human Immunodeficiency Virus Type 1 (HIV-1) Subtype B (Consensus) Vpr Region

Catalog Number: ARP-6447

Lot Number: 160103

Release Category: A

Provided: Peptides are provided lyophilized at 0.5 mg per vial.

Description: ARP-6447 is a 22-peptide array comprising the human immunodeficiency virus type 1 (HIV-1) subtype B consensus Vpr region. Most of the peptides are 15 amino acids in length, with 11 amino acid overlaps between sequential peptides. For the pooled version of this reagent, please see catalog number ARP-12860.

Purity: Peptides are > 80% pure by HPLC.

Solubility: 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Please note: Recent unpublished reports indicate that Cys- and Met-containing peptide sequences are highly unstable when stored in DMSO for prolonged periods of time. Degradation of these peptides in DMSO can occur within days to weeks. Although a correlation between peptide decay and effect on biological activity is currently unknown, for prolonged peptide stability, we recommend freshly prepared working solutions from freeze dried aliquots of these peptides, and prepared pools.

Special Characteristics: An older HIV-1 Vpr sequence was used for reagent ARP-6447 peptide sublot 5. An updated HIV-1 consensus B sequence was used for all remaining peptide sets.

Recommended Storage: Peptides should be kept lyophilized in a dry environment at -20°C or colder.

Contributor: DAIDS, NIAID

Citation: Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Peptide Array, Human Immunodeficiency Virus Type 1 (HIV-1) Subtype B (Consensus) Vpr Region, ARP-6447, contributed by DAIDS, NIAID.”

Biosafety Level: 1


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DATA SHEET

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