



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Peptide Pool, Human Immunodeficiency Virus Type 1 Subtype B (Consensus) Gag Region
Catalog Number:	ARP-12425
Lot Number:	190449
Release Category:	A
Provided:	ARP-12425 contains 1 vial of lyophilized peptides. All peptides from catalog number ARP-8117 peptide array were pooled together and distributed such that each vial of ARP-12425 contains 50 µg of each peptide, 6.15 mg total peptide.
Description:	ARP-12425 is a peptide pool comprising 123 individual peptides spanning the human immunodeficiency virus type 1 (HIV-1) consensus B Gag protein. Peptides are produced as 15-mers with 11 amino acid overlaps. For the individual peptide (array) version of this reagent, please see catalog number ARP-8117.
Sequence:	The HIV-1 consensus B Gag reference sequence was obtained from the Los Alamos National Laboratory (LANL) HIV database 2004 consensus B sequence.
Purity:	Peptides are >80% pure by HPLC.
Solubility:	Peptides that are difficult to solubilize can almost always be dissolved in dimethyl sulfoxide (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. 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:	Individual peptide analytical data, including sequence, molecular weight and purity data, is provided on the NIH HIV Reagent Program webpage.
Recommended Storage:	Keep the reagent at -20°C lyophilized and -80°C after reconstitution.
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 Pool, Human Immunodeficiency Virus Type 1 Subtype B (Consensus) Gag Region, ARP-12425, contributed by DAIDS, NIAID."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <u>Biosafety in Microbiological and Biomedical Laboratories</u> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm .
Disclaimers:	You are authorized to use this product for research use only. It is not intended for human use. Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org .



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