



NIH AIDS Reagent Program

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DATA SHEET

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| Reagent: | Panel of full-length transmitted/founder (T/F) HIV-1 Infectious Molecular Clones |
| Catalog Number: | 11919 |
| Lot Number: | 180150 |
| Release Category: | C |
| Provided: | 10 vials per set. Each vial contains 5 µg of dried purified DNA stabilized in DNastable <i>PLUS</i> . See attached file for a list of included clones. Clones can also be ordered individually by catalog number. |
| Cloning Vector: | pBR322 or pCR-XL-TOPO (see table) |
| Host Strain: | Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells. |
| Description: | A panel of 10 HIV-1 subtype B full length transmitted/founder (T/F) infectious molecular clones. |
| Special Characteristics: | <p>See table for clone details and sequence files. Table 1. Click here for panel information</p> <p>Using a mathematical model of HIV-1 sequence evolution in acute clinical infection and an experimental strategy based on single genome amplification (SGA) of full-length HIV-1 RNA, followed by direct sequencing of uncloned SGAs, the complete nucleotide sequences of viruses responsible for establishing productive clinical infection have been deduced. From this, T/F single genome amplicons generated from either genomic HIV-1 RNA or proviral DNA were used to construct ten subtype B T/F IMCs.</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNastable <i>Plus</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p> |
| Recommended Storage: | Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag. |

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.

Contributor: Dr. John Kappes

References: Keele, B. F., Giorgi, E. E., Salazar-Gonzalez, J. F., Decker, J. M., Pham, K. T., Salazar, M. G., . . . Shaw, G. M. (2008). Identification and characterization of transmitted and early founder virus envelopes in primary HIV-1 infection. *Proc Natl Acad Sci U S A*, 105(21), 7552-7557. doi:10.1073/pnas.0802203105 [PUBMED](#)

Salazar-Gonzalez, J. F., Salazar, M. G., Keele, B. F., Learn, G. H., Giorgi, E. E., Li, H., . . . Shaw, G. M. (2009). Genetic identity, biological phenotype, and evolutionary pathways of transmitted/founder viruses in acute and early HIV-1 infection. *J Exp Med*, 206(6), 1273-1289. doi:10.1084/jem.20090378 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Panel of full-length transmitted/founder (T/F) HIV-1 Infectious Molecular Clones from Dr. John Kappes (cat# 11919)." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact The UAB Research Foundation at the following email address: dhall@uab.edu, before the reagent can be released.

Last Updated: June 25, 2018

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