



NIH AIDS Reagent Program

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DATA SHEET

Reagent: *M. tuberculosis* λ gt11 Genomic Library

Catalog Number: 2879

Lot Number: 2 95050

Release Category: C

Provided: 1 vial phage stock containing 0.5 ml with 7% DMSO as a preservative. Propagate in Y1090 or other compatible vector.

Description: DNA fragments of 3-8 kb from *M. tuberculosis* Erdman PKMC107 (F.M. Collins, Trudeau Institute) were isolated from genomic DNA by mechanical shearing. *EcoRI* linkers were added followed by gel purification. The material was then cloned into *EcoRI* digested arms of λ gt11. Titer should be determined by the user, but it is estimated to be between 5×10^9 - 5×10^{10} pfu/ml.

Special Characteristics: Contains 4×10^6 recombinants, with an average insert size of 4 kb. This library has been used extensively for isolation of *M. tuberculosis* genes.

Recommended Storage: -70°C.

Contributor: Dr. Richard Young.

References: Young RA, Bloom BR, Grosskinsky CM, Ivanyi J, Thomas D, Davis RW. Dissection of Mycobacterium tuberculosis antigens using recombinant DNA. *Proc Natl Acad Sci USA* **82**:2583-2587, 1985.

Husson R, Young RA. Genes for the major protein antigens of *M. tuberculosis*: the etiologic agents of tuberculosis and leprosy share a major protein antigen. *Proc Natl Acad Sci USA* **84**:1679-1683, 1987.

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: Mycobacterium tuberculosis Genomic Library." Also include the references cited above in any publications.

Requests from commercial organizations should be directed to Dr. Young, Whitehead Institute for Biomedical Research, Biology - MIT, Nine Cambridge Center, Cambridge, MA 02142.

Last Updated:

June 21, 2013

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