

***Mycobacterium tuberculosis*, Strain H37Rv, Acetone-Insoluble Lipids**

Catalog No. NR-14843

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Contributor:

BEI Resources or NIH - TB Vaccine Testing and Research Materials Contract

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA or NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-14843 is a preparation of acetone-insoluble cellular lipids extracted from *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv. Total cellular lipids were triturated in acetone at -20°C. The resulting suspension was then centrifuged and the pellet resuspended in chloroform/methanol (2:1) to obtain the acetone-insoluble lipid fraction.

Material Provided:

Each vial contains approximately 500 µg of dried acetone-insoluble lipids from *M. tuberculosis*, strain H37Rv.

Note: Acetone-insoluble lipids are soluble in chloroform:methanol (2:1). Chloroform or DMSO can also be used depending on the downstream application.

Packaging/Storage:

NR-14843 was packaged aseptically in glass vials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycobacterium tuberculosis*, Strain H37Rv, Acetone-Insoluble Lipids, NR-14843."

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. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Cole, S. T., et al. "Deciphering the Biology of *Mycobacterium tuberculosis* from the Complete Genome Sequence." Nature 393 (1998): 537-544. PubMed: 9634230. Erratum in: Nature 396 (1998): 190-198.
2. Hancock, C. I., et al. eds. Bacterial Cell Surface Techniques. New York: Wiley & Sons, 1988: 125-135.

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