

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Trehalose Dimycolate (TDM)**

**Catalog No. NR-14844**

This reagent is the tangible property of the U.S. Government.

**For research use only. Not for use in humans.**

**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-14844 is a preparation of purified trehalose dimycolate (TDM) that was extracted from the lipid fraction obtained from irradiated *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv cells. Following purification steps, the TDM was dried under nitrogen gas.

**Material Provided:**

Each vial contains approximately 250 µg of dried, purified TDM from *M. tuberculosis*, strain H37Rv.

Note: TDM is soluble in chloroform:methanol (2:1). DMSO can also be used depending on the downstream application.

**Packaging/Storage:**

NR-14844 was packaged aseptically in glass vials. The product is provided frozen on blue 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, Purified Trehalose Dimycolate (TDM), NR-14844."

**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 (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

**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 BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale. This material may be subject to third party patent rights.

**References:**

1. Slayden, R. A. and C. E. Barry, III. "Analysis of the Lipids of *Mycobacterium tuberculosis*." *Mycobacterium tuberculosis Protocols* Eds. T. Parish and N. G. Stoker. Towata NJ: Humana Press Inc., 2001. 229-246.
2. Besra, G. S. "Preparation of Cell-Wall Fractions from Mycobacteria." *Methods in Molecular Biology, Volume 101: Mycobacteria Protocols* Eds. T. Parish and N. G. Stoker. Towata NJ: Humana Press Inc., 1998. 91-107.

ATCC® is a trademark of the American Type Culture Collection.

