

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Trehalose Monomycolate (TMM)**

**Catalog No. NR-48784**

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

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

**Contributor:**

BEI Resources

**Manufacturer:**

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**Product Description:**

NR-48784 is a preparation of purified trehalose monomycolate (TMM) that was extracted from the lipid fraction obtained from irradiated *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv cells. Following purification steps, the TMM was dried under nitrogen gas.

**Material Provided:**

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

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

**Packaging/Storage:**

NR-48784 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 Monomycolate (TMM), NR-48784."

**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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**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.

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