

***Mycobacterium tuberculosis*, Strain Indo-Oceanic T17X, Cell Wall Fraction**

Catalog No. NR-36499

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Contributor:

BEI Resources

Manufacturer:

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Product Description:

NR-36499 is a preparation of the cell wall fraction of *Mycobacterium tuberculosis*, strain Indo-Oceanic T17X, and contains proteins and non-protein compounds such as mAGP.

The culture was grown to late log phase in glycerol-alanine-salts medium, washed with PBS pH 7.4, and inactivated by gamma irradiation. The bacilli were suspended at a concentration of 2 g/mL in PBS containing 8 mM EDTA, DNase, RNase, and a proteinase inhibitor tablet, and broken in a French Press pressure cell at 4°C. Unbroken cells were removed by low speed (3,000 x g) centrifugation. The cell wall was isolated by centrifugation at 27,000 x g for one hour and washed two times in PBS. The final cell wall pellet was suspended and dialyzed in 10 mM ammonium bicarbonate, quantified by BCA protein assay for protein content, and frozen.

Material Provided:

Each vial contains approximately 1 mg of protein in 10 mM ammonium bicarbonate provided as a frozen pellet.

Packaging/Storage:

NR-36499 was packaged aseptically in cryovials. 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 Indo-Oceanic T17X, Cell Wall Fraction, NR-36499."

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.

Disclaimers:

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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. Hirschfield, G. R., et al. "Peptidoglycan-Associated Polypeptides of *Mycobacterium tuberculosis*." [J. Bacteriol.](#) 172 (1990): 1005-1013. PubMed: 2105289.

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