

***Mycobacterium tuberculosis*, Strain
CDC1551, Culture Filtrate Proteins**

Catalog No. NR-14826

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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 and NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-14826 is a preparation of culture filtrate proteins (CFP) from *Mycobacterium tuberculosis* (*M. tuberculosis*), strain CDC1551 and contains most of the excreted and secreted proteins of the organism.

The culture was grown to late log phase in glycerol-alanine-salts medium. The culture supernatant was harvested from the live cells and the CFP was concentrated. The concentrated material was dialyzed against 10 mM ammonium bicarbonate and quantitated with the BCA protein assay. Individual lots are subjected to quality control procedures to ensure uniformity and lack of bacterial contamination.

Material Provided:

Each vial of NR-14826 contains approximately 1 mg of culture filtrate proteins from *M. tuberculosis*, strain CDC1551 in 10 mM ammonium bicarbonate.

Packaging/Storage:

NR-14826 was packaged 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 CDC1551, Culture Filtrate Proteins, NR-14826."

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. Dobos, K. M., et al. "Definition of the Full Extent of Glycosylation of the 45-Kilodalton Glycoprotein of *Mycobacterium tuberculosis*." *J. Bacteriol.* 178 (1996): 2498-2506. PubMed: 8626314.
3. Sonnenberg, M. G. and J. T. Belisle. "Definition of *Mycobacterium tuberculosis* Culture Filtrate Proteins by Two-Dimensional Polyacrylamide Gel Electrophoresis, N Terminal Amino Acid Sequencing, and Electrospray Mass Spectrometry." *Infect. Immun.* 65 (1997): 4515-4524. PubMed: 9353028.

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