**Mycobacterium tuberculosis**, Strain CDC1551, Cytosol Fraction

**Catalog No. NR-14835**  
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**For research use only. Not for human use.**

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

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

**Product Description:**  
NR-14835 is a preparation of the cytosol fraction of *Mycobacterium tuberculosis*, strain CDC1551, and contains cytosolic proteins and soluble material released from the cell wall during disruption of the bacilli.

The culture was grown to late log phase in glycerol-alanine-salts medium, washed with PBS 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 × g) centrifugation. The cell wall was isolated by centrifugation at 27,000 × g. The supernatant was subjected to a 100,000 × g centrifugation for four hours, then collected and dialyzed against 10 mM ammonium bicarbonate. The protein content was determined using the BCA protein assay.

**Material Provided:**  
Each vial contains approximately 1 mg of NR-14835 provided in 10 mM ammonium bicarbonate.

**Packaging/Storage:**  
NR-14835 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 CDC1551, Cytosol Fraction, NR-14835.”

**Biosafety Level:** 1  

**Disclaimers:**  
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**References:**


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