

***Mycobacterium tuberculosis*, Strain CDC1551, Cytosol Fraction****Catalog No. NR-14835**

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**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 x g) centrifugation. The cell wall was isolated by centrifugation at 27,000 x g. The supernatant was subjected to a 100,000 x g centrifugation for four hours, then collected and dialyzed against 10 mM ammonium bicarbonate. The protein content was determined using the BCA protein assay.

**Lot: 62976465****Manufacturing Date: 20FEB2015**

Production and QC testing was performed by Colorado State University (CSU). The CSU documentation for lot 15.CSU93.02.23.CYT is attached.

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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# WORK SHEET FOR CYTOSOL

## General Information

BEI Catalog Number: NR-14835  
Product Lot Number: 15.CSU93.02.23.CYT  
Species: Mycobacterium tuberculosis  
Strain: CDC1551

## Sonication and Fractionation Information

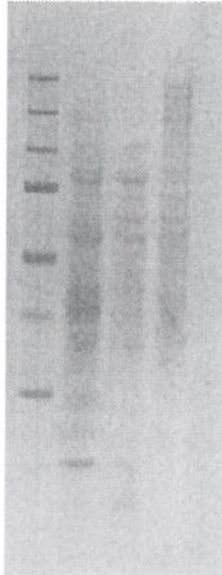
Starting material (lot #): 14.CSU93.2.4.4.WCg.b  
Cell amount (wet weight): 48.8g  
SOP #: PP008.3 Notebook pages: PMF/TVTRM #1, 51  
Date of French Press Sonication: 02/11/15; Buffer used: PBS +1mM EDTA with protease inhibitor  
Centrifugation Notes Centrifuged 2x at 100.000xg to separate membrane  
Date 10 mM ammonium bicarbonate dialysis started: 02/18/15  
date completed: 02/20/15  
Notebook; page(s): PMF/TVTRM #1, 52-53

## Quality Control Information

Clarity of product/suspension after dialysis: Slightly turbid  
BCA: 4.39  $\mu\text{g}/\mu\text{l}$ . Notebook and page(s): PMF/TVTRM #1, 54  
Total Protein: 352.3 mg  
Silver Stain Date: 02/23/15. Notebook and page(s): PMF/TVTRM #1, 56

## QC Gel:

MEM CYT CW



## Aliquot Information:

25 x 1mg for BEI  
20 x 1 mg for IHO  
Bulk 70 ml @ 4.39  $\mu\text{g}/\mu\text{l}$

C. McHaffey  
(Research Associate)

02-25-15  
(date)

[Signature]  
(Laboratory Supervisor)

2/25/2015  
(date)