

***Mycobacterium tuberculosis*, Strain HN878, Cytosol Fraction****Catalog No. NR-14836**

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

**Product Description:** NR-14836 is a preparation of the cytosol fraction of *Mycobacterium tuberculosis*, strain HN878, 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 0.01 M ammonium bicarbonate. The protein content was determined using the BCA protein assay.

**Lot: 61190401****Manufacturing Date: 13AUG2011**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for lot 10.HN878.2.25.5.CYT is attached.

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You are authorized to use this product for research use only. It is not intended for human use.



# WORK SHEET FOR CYTOSOL

## General Information

Product Lot Number: 10.HN878.2.25.5.CYT

Species: *Mycobacterium tuberculosis*

Strain: HN878

## Sonication and Fractionation Information

Starting material (lot #): 10.HN878.2.25.5.wcg

Cell amount (wet weight): 43.8g

SOP #: PP007.1 Notebook pages: Nick May #45

Date of French Press Sonication: 07/26/11; Buffer used: 1mM EDTA-PBS

Centrifugation Notes Centrifuged two times at 100,000 x g to separate from membrane

Date 10 mM ammonium bicarbonate dialysis started: 08/10/11

date completed: 08/13/11

Notebook; page(s): Prucha #106

## Quality Control Information

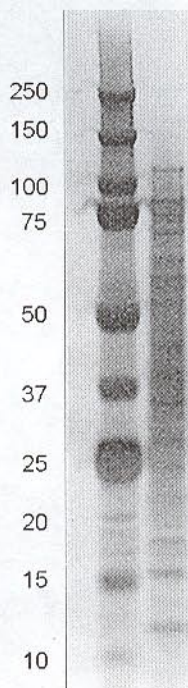
Clarity of product/suspension after dialysis: Clear

BCA: 2.85  $\mu\text{g}/\mu\text{l}$  Notebook and page(s): Prucha #109

Total volume: 90 ml Total amount of Protein: 256.5 mg

Silver Stain Date: 08/16/11 Notebook and page(s): Prucha #108

## QC Gel:



## Aliquot Information:

1 x 50ml

1 x 40ml

C. Melchapp  
(Research Scientist)

8-29-11  
(date)

[Signature]  
(Laboratory Supervisor)

8/30/11  
(date)