

***Mycobacterium tuberculosis*, Strain H37Rv, Cell Wall Fraction****Catalog No. NR-14828**

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**Product Description:** NR-14828 is a preparation of the cell wall fraction of *Mycobacterium tuberculosis*, strain H37Rv 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 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 centrifugation. The cell wall was isolated by centrifugation at 27,000 x g for one hour and washed in PBS. The final cell wall pellet was suspended and dialyzed in 0.01 M ammonium bicarbonate. Protein content was determined using the BCA protein assay.

**Lot: 08.Rv.2.5.21.7.CW****Manufacturing Date: 13AUG2008**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation 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 CELL WALL

General Information

Product Lot Number: 08.Rv.2.5.21.7.CW  
Species: Mycobacterium tuberculosis  
Strain: H37Rv

Sonication and Fractionation Information

Starting material (lot #): 08.Rv.2.5.21.7.WCg  
Cell amount (wet weight): 103g  
SOP #: PP008.1 Notebook pages: Agatha #1 pp. 78-80

Date of French Press Sonication: 8/11/08  
Buffer used: Breaking Buffer: 500ml PBS, 1.0ml 0.5M EDTA, 60ul DNase, 60ul RNase, 2 Tablets Protease Inhibitors

Centrifugation Notes 27,000xg, 4°C, 1hr; 27,000xg, 4°C, 20min; 100,000xg, 4°C, 4hrs (x2)

Date 10 mM ammonium bicarbonate dialysis started: 8/12/08  
date completed: 8/13/08

Notebook; page(s): Agatha #1 pp. 78-79

Quality Control Information

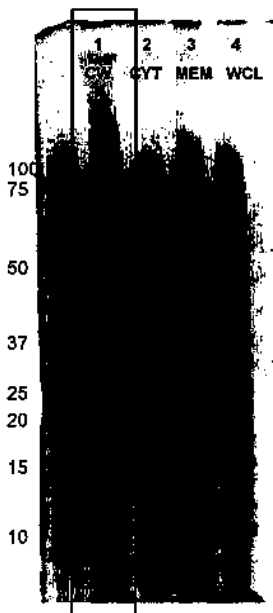
Clarity of product/suspension after dialysis: Cloudy brown

BCA: 13.44 µg /µl. Notebook and page(s): Agatha #1 pg. 79

Total volume: 152.5ml Total amount of Protein: 2,050 mg

Silver Stain Date: 8/13/08. Notebook and page(s): Agatha #1 pg. 80

QC Gel:



Aliquot Information:

50 x 1mg  
40 x 50mg

Agatha Dreczynek 8/18/08  
(Research Associate) (date)

[Signature] 8/18/2008  
(Laboratory Supervisor) (date)