

Mycobacterium tuberculosis*, Strain CDC1551, Cell Wall Fraction*Catalog No. NR-14829**

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Product Description: NR-14829 is a preparation of the cell wall fraction of *Mycobacterium tuberculosis*, strain CDC1551 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 pH 7.4, 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 for one hour and washed two times in PBS. The final cell wall pellet was suspended and dialyzed in 10 mM ammonium bicarbonate, quantified by BCA protein assay for protein content, and frozen.

Lot: 61190402**Manufacturing Date: 14SEP2012**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for the lot 12.CSU93.8.7.CW 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: 12.CSU93.8.7.CW
Species: *M. tuberculosis*
Strain: CDC1551

Sonication and Fractionation Information

Starting material (lot #): 10.CSU93.8.23.6.WCg & 06.CSU93.11.17.8.WCg.IHO
Cell amount (wet weight): 75g (Only ~37g used for this product)
SOP #: PP008.1 Notebook pages: Rachel Hazenfield Protein #1 pp. 55-59
Date of French Press Sonication: 08/07/2012 and 09/05/2012; Buffer used: PBS-EDTA with protease inhibitor, DNase, and RNase
Centrifugation Notes Centrifuged at 27,000 x g to separate from membrane and cytosol
Date 10 mM ammonium bicarbonate dialysis started: 09/11/2012
date completed: 09/14/2012
Notebook; page(s): Rachel Hazenfield Protein #1 pg. 56

Quality Control Information

Clarity of product/suspension after dialysis: Milky, off-white (normal)
BCA: 11.368 $\mu\text{g}/\mu\text{l}$. Notebook and page(s): Rachel Hazenfield Protein #1 pg. 57
Total volume: 59.4 ml Total amount of Protein: 675.24 mg
Silver Stain Date: 09/25/2012. Notebook and page(s): Rachel Hazenfield Protein #1 pg. 59
QC Gel:



Aliquot Information:

*Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed.

50 x 1 mg; 1 x 625.24mg

Rachel Hazenfield 9/26/12
(Research Associate) (date)

[Signature] 9/26/2012
(Laboratory Supervisor) (date)