

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: 61216438**Manufacturing Date: 16DEC2008**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for bulk lot 06.CSU93.11.17.CW is attached. This lot was aliquoted at ATCC®.

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 CELL WALL

General Information

Product Lot Number: 06.CSU93.11.17.CW
Species: Mycobacterium tuberculosis
Strain: CSU93

Sonication and Fractionation Information

Starting material (lot #): 06.CSU93.11.17.WCg
Cell amount (wet weight): 50 g
SOP #: PP008 Notebook pages: Sarah C Garcia Notebook #3 pp. 131-132
Date of French Press Sonication: 12/5/08
Buffer used: 500ml PBS, 1ml 0.5 EDTA, 60ul DNase, 60ul RNase, 2 Protease inhibitor tablets
Centrifugation Notes 12/9/08-27,000xg: 1hr, 12/10/08-27,000xg: 1hr,
Date 10 mM ammonium bicarbonate dialysis started: 12/12/08
date completed: 12/16/08
Notebook; page(s): Sarah C Garcia Notebook #3 pp. 131-132

Quality Control Information

Clarity of product/suspension after dialysis: Cloudy, opaque
BCA: 11.8 µg /µl. Notebook and page(s): SCG Notebook #3 pp.131-132
Total volume: 93.4 Total amount of Protein: 1102.12mg
Silver Stain Date: 12/17/08. Notebook and page(s): SCG Notebook #3 pp.131-132

QC Gel:



Aliquot Information:

40 x 1mg
1 x 531mg
1 x 531mg

Sarah Garcia 12/30/08
(Research Associate) (date)

[Signature] 12/31/2008
(Laboratory Supervisor) (date)