

***Mycobacterium tuberculosis*, Strain Indo-Oceanic T17X, Cell Wall Fraction**

Catalog No. NR-36499

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

Product Description: NR-36499 is a preparation of the cell wall fraction of *Mycobacterium tuberculosis*, strain Indo-Oceanic T17X, and contains proteins and non-protein compounds such as mAGP.

Lot: 61449186^{1,2}

Manufacturing Date: 01DEC2012

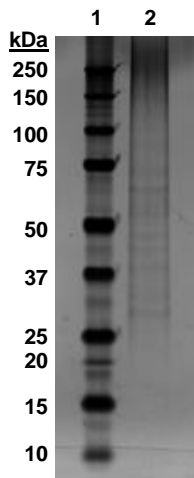
TEST	SPECIFICATIONS	RESULTS
SDS-PAGE and Silver Stain	Report results	Visible smear of cell wall proteins (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay ³	Report results	2.9 µg per µL

¹Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 12.IO.11.15.CW is attached.

²Retesting of NR-36499 lot 61449186 was performed by BEI Resources in November 2018 to confirm product stability.

³Using BSA as a standard

Figure 1: SDS-PAGE and Silver Stain



Lane 1: Precision Plus Protein™ Standard
 Lane 2: NR-36499 lot 61499186, 1 µg

/Heather Couch/
 Heather Couch

24 JUL 2019

Program Manager or designee, ATCC Federal Solutions

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WORK SHEET FOR CELL WALL

General Information

Product Lot Number: 12.IO.11.15.CW
Species: *M. tuberculosis*
Strain: IQ

Sonication and Fractionation Information

Starting material (lot #): 12.IO.9.10.6.WCg
Cell amount (wet weight): 77.4g (Only ~37g used for this product)
SOP #: PP008.1 Notebook pages: Rachel Hazenfield Protein #1 pp. 94-96
Date of French Press Sonication: 11/15/2012 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: 11/29/2012
date completed: 12/01/2012
Notebook; page(s): Rachel Hazenfield Protein #1 pp. 94-95

Quality Control Information

Clarity of product/suspension after dialysis: Milky, off-white (normal)
BCA: 8.161 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): Rachel Hazenfield Protein #1 pg. 95
Total volume: 100ml Total amount of Protein: 897.71 mg
Silver Stain Date: 12/04/2012 Notebook and page(s): Rachel Hazenfield Protein #1 pg. 96
QC Gel:



Aliquot Information:

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

100x 1 mg; 1 x 797.71 mg

Rachel Hazenfield 12/5/12
(Research Associate) (date)

[Signature] 12/5/2012
(Laboratory Supervisor) (date)