

***Mycobacterium tuberculosis*, Strain East African Indian 91_0079, Whole Cell Lysate**

Catalog No. NR-36497

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

Product Description: NR-36497 is a preparation of the whole cell lysate of *Mycobacterium tuberculosis*, strain East African Indian 91_0079, and contains proteins, lipids and carbohydrates present within the bacterial cell.

Lot^{1,2}: 61449184

Manufacturing Date: 01DEC2012

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Silver Stain)	Report results	Multiple protein bands visible (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay ³	Report results	11.77 mg per mL

¹Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lot 12.EAI.11.20.WCL is attached.

²Retesting of NR-36497 lot 61449184 was performed by BEI Resources in May 2018 to confirm product stability.

³Using BSA as a standard

/Heather Couch/
Heather Couch

31 JUL 2018

Program Manager or designee, ATCC Federal Solutions

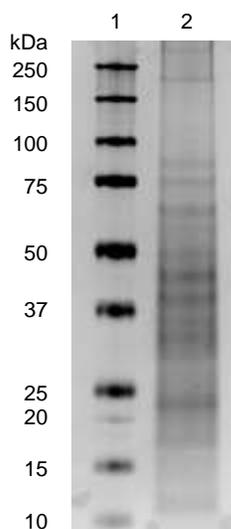
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Figure 1: SDS-PAGE of NR-36497



Lane 1: Precision Plus Protein™ Standard
Lane 2: NR-36497, 11.77 µg

WORK SHEET FOR WHOLE CELL LYSATE

General Information

Product Lot Number: 12.EAI.11.20.WCL

Species: *M. tuberculosis*

Strain: EAI

Sonication and Fractionation Information

Starting material (lot #): 12.EAI.9.17.10.WCg, 12.EAI.8.6.7.WCg, & 12.EAI.9.4.9.WCg

Cell amount (wet weight): 84.25g (Only ~42.25g used for this product)

SOP #: PP007.2 Notebook pages: Rachel Hazenfield Protein #1 pp. 98-100

Date of French Press Sonication: 11/20/2012; Buffer used: PBS-EDTA with protease inhibitor, DNase, and RNase

Centrifugation Notes Centrifuged at 3,000 rpm for 15 minutes at 4°C

Date 10 mM ammonium bicarbonate dialysis started: 11/29/2012

date completed: 12/01/2012

Notebook; page(s): Rachel Hazenfield Protein #1 pp. 99-100

Quality Control Information

Clarity of product/suspension after dialysis: milky, off-white (normal)

BCA: 11.766µg /µl.

Notebook and page(s): Rachel Hazenfield Protein #1 pg. 90

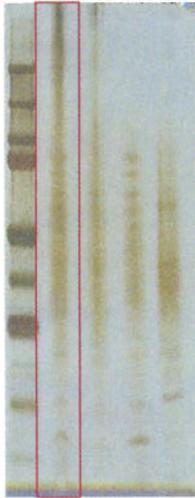
Total volume: 134.66 ml

Total amount of Protein: 1584.41 mg

Silver Stain Date: 12/04/2012.

Notebook and page(s): Rachel Hazenfield Protein #1 pg. 100

QC Gel:



Aliquot Information:

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

154x 10 mg; 1 x 8.41 mg

Rachel Hazenfield 12/17/12
(Research Associate) (date)

[Signature] 12/18/2012
(Laboratory Supervisor) (date)