

***Mycobacterium tuberculosis*, Strain Indo-Oceanic T17X, Whole Cell Lysate**

**Catalog No. NR-36496**

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

**Product Description:** NR-36496 is a preparation of the whole cell lysate of *Mycobacterium tuberculosis*, strain Indo-Oceanic T17X, and contains proteins, lipids and carbohydrates present within the bacterial cell.

**Lot<sup>1,2</sup>: 61449183**

**Manufacturing Date: 01DEC2012**

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Silver Stain)	Report results	Multiple protein bands visible (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay <sup>3</sup>	Report results	7.91 mg per mL

<sup>1</sup>Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for bulk lot 12.IO.11.15.WCL is attached.

<sup>2</sup>Retesting of NR-36496 lot 61449183 was performed by BEI Resources in May 2018 to confirm product stability.

<sup>3</sup>Using BSA as a standard

/Heather Couch/  
Heather Couch

31 JUL 2018

Program Manager or designee, ATCC Federal Solutions

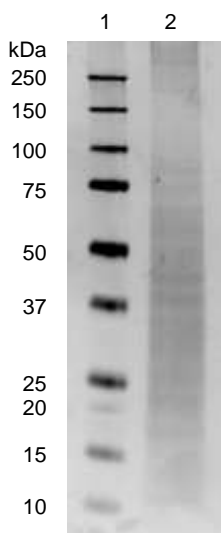
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**Figure 1: SDS-PAGE of NR-36496**



Lane 1: Precision Plus Protein™ Standard  
Lane 2: NR-36496, 7.91 µg

## WORK SHEET FOR WHOLE CELL LYSATE

### General Information

Product Lot Number: 12.IO.11.15.WCL

Species: *M. tuberculosis*

Strain: IO

### Sonication and Fractionation Information

Starting material (lot #): 12.IO.9.10.6.WCg

Cell amount (wet weight): 77.4g (Only ~40.4g used for this product)

SOP #: PP007.2 Notebook pages: Rachel Hazenfield Protein #1 pp. 94-96

Date of French Press Sonication: 11/15/2012; 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. 94-95

### Quality Control Information

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

BCA: 9.249µg /µl

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

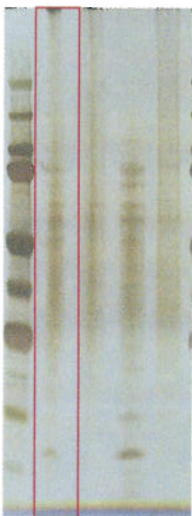
Total volume: 116.487 ml

Total amount of Protein: 1077.39 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.

107x 10 mg; 1 x 7.39 mg

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

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