

Mycobacterium canettii Cell Wall Fraction

Catalog No. NR-36501

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Product Description: NR-36501 is a preparation of the cell wall fraction of *Mycobacterium canettii* and contains proteins and non-protein compounds such as mAGP.

Lot¹: 61449188

Manufacturing Date: 01DEC2012

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE and Silver Stain ²	Report results	Visible smear of cell wall proteins (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay (BCA) ^{2,3}	Report results	8.46 µg/µL ⁴

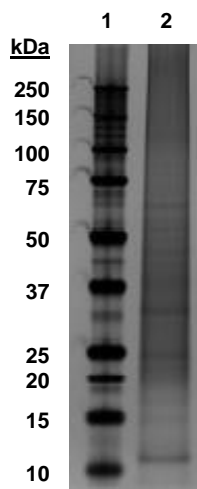
¹Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 12.Mc.11.14.CW is attached.

²Retesting of NR-36501 lot 61449188 was performed by BEI Resources in July 2018 to confirm product stability.

³Using BSA as a standard

⁴Samples are solubilized prior to testing. Since subcellular fractions tend to settle out of solution quickly, it is possible that the sample used for retesting was more thoroughly mixed than the sample that was originally tested, resulting in a higher BCA result.

Figure 1: SDS-PAGE and Silver Stain



Lane 1: Precision Plus Protein™ Standard

Lane 2: NR-36501 lot 61449187, 1.5 µg

/Heather Couch/

Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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BEI Resources

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WORK SHEET FOR CELL WALL

General Information

Product Lot Number: 12.Mc.11.14.CW

Species: M.Canetti

Sonication and Fractionation Information

Starting material (lot #): 12.Mc.11.2.1.7H.a & 12.Mc.11.2.1.7H.b

Cell amount (wet weight): 75g (Only ~37.5g used for this product)

SOP #: PP008.1 Notebook pages: Rachel Hazenfield Protein #1 pp. 89-91

Date of French Press Sonication: 11/14/2012; 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. 90-91

Quality Control Information

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

BCA: 6.198 µg /µl

Notebook and page(s): Rachel Hazenfield Protein #1 pg. 91

Total volume: 120 ml

Total amount of Protein: 743.76 mg

Silver Stain Date: 12/04/2012

Notebook and page(s): Rachel Hazenfield Protein #1 pg. 91

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 643.76 mg

Rachel Hazenfield 1/30/13
(Research Associate) (date)

[Signature] 1/31/2013
(Laboratory Supervisor) (date)