

***Mycobacterium canettii* Cytosol Fraction**

Catalog No. NR-36507

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

Product Description: NR-36507 is a preparation of the cytosol fraction of *Mycobacterium canettii* and contains cytosolic proteins and soluble material released from the cell wall during disruption of the bacilli.

Lot¹: 61449194

Manufacturing Date: 01DEC2012

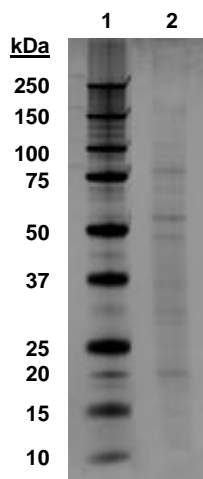
TEST	SPECIFICATIONS	RESULTS
SDS-PAGE and Silver Stain ²	Report results	Visible smear of cytosol proteins (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay (BCA) ^{2,3}	Report results	1.41 µg/µL ⁴

¹Production and QC testing were performed by Colorado State (CSU). The CSU documentation for lot 12.Mc.11.14.Cyt is attached. Note: The BCA reported on the CSU documentation is incorrect. The correct BCA of lot 12.Mc.11.14.Cyt at the time of production is 2.437 mg/mL.

²Retesting of NR-36507 lot 61449194 was performed by BEI Resources in July 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-36507 lot 61449194, 1 µg

/Heather Couch/
Heather Couch

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Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected 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 CYTOSOL

General Information

Product Lot Number: 12.Mc.11.14.Cyt
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 100,000 x g to recover from membrane
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: clear, slightly yellow (normal)
BCA: 0.2437 $\mu\text{g}/\mu\text{l}$. Notebook and page(s): Rachel Hazenfield Protein #1 pg. 91
Total volume: 125 ml Total amount of Protein: 304.625 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 204.625 mg

Rachael M. Aguiar 1/30/13
(Research Associate) (date)

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