

Mycobacterium tuberculosis*, Strain Indo-Oceanic T17X, Cytosol Fraction*Catalog No. NR-36505**

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Product Description: NR-36505 is a preparation of the cytosol fraction of *Mycobacterium tuberculosis*, strain Indo-Oceanic T17X, and contains cytosolic proteins and soluble material released from the cell wall during disruption of the bacilli. The culture was grown to late log phase in glycerol-alanine-salts medium, washed with PBS, and inactivated by gamma irradiation. The bacilli were suspended at a concentration of 2 g/mL in PBS containing 8 mM EDTA, DNase, RNase, and a proteinase inhibitor tablet, and broken in a French Press pressure cell at 4°C. Unbroken cells were removed by low speed (3,000 x g) centrifugation. The cell wall was isolated by centrifugation at 27,000 x g. The supernatant was subjected to a 100,000 x g centrifugation for four hours, then collected and dialyzed against 10 mM ammonium bicarbonate. The protein content was determined using the BCA protein assay.

Lot: 61449192**Manufacturing Date: 01DEC2012**

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

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WORK SHEET FOR CYTOSOL

General Information

Product Lot Number: 12.IO.11.15.Cyt
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 ~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; 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. 94-95

Quality Control Information

Clarity of product/suspension after dialysis: clear, slightly yellow (normal)
BCA: 3.823µg /µl. Notebook and page(s): Rachel Hazenfield Protein #1 pg. 95
Total volume: 130ml Total amount of Protein: 496.99 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 396.99 mg

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

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