

Certificate of Analysis for NR-36505

Mycobacterium tuberculosis, Strain Indo-Oceanic T17X, Cytosol Fraction

Catalog No. NR-36505

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

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: 62976460 Manufacturing Date: 20FEB2015

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.IO.02.23.CYT is attached.

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor 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.

 ${\sf ATCC}^{\$}$ is a trademark of the American Type Culture Collection. You are authorized to use this product for research use only. It is not intended for human use.

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

WORK SHEET FOR CYTOSOL

General Information

BEI Catalog Number: NR-36505

Product Lot Number: 15.IO.02.23.CYT Species: Mycobacterium tuberculosis

Strain: ____ Indo-Oceanic T17X

Sonication and Fractionation Information

Starting material (lot #): 13.IO.11.12.4.WCg.a

Cell amount (wet weight): 103.7g

SOP #: PP008.3 Notebook pages:

Date of French Press Sonication: 02/13/15; Buffer used: PBS +1mM EDTA with protease inhibitor

Centrifugation Notes Centrifuged 2x at 100.000xg to separate membrane

Date 10 mM ammonium bicarbonate dialysis started: 02 /18/15 date completed: 02 /20 15/

Notebook; page(s): PMF/TVTRM #1, 52-53

Quality Control Information

Clarity of product/suspension after dialysis: Clear

BCA: 6.21 µg/µl.

Notebook and page(s): PMF/TVTRM #1, 54

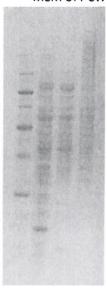
Total Protein: 656 mg

Silver Stain Date: 02/23/15.

Notebook and page(s): PMF/TVTRM #1, 56

QC Gel:

MEM CYT CW



Aliquot Information:

15 x 1mg for BEI 20 x 1 mg for IHO Bulk 100 ml @ 6.21µg/µl

(Laboratory Supervisor)