

***Mycobacterium tuberculosis*, Strain CDC1551, Whole Cell Lysate****Catalog No. NR-14823**

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

**Product Description:** *Mycobacterium tuberculosis*, strain CDC1551 whole cell lysate contains proteins, lipids and carbohydrates present within the bacterial cell. A culture was grown to late log phase in glycerol-alanine-salts medium and inactivated by gamma irradiation. Cells were suspended in PBS buffer containing 8 mM EDTA, proteinase inhibitors, DNase, and RNase, and disrupted by French Press until approximately 90% breakage was obtained. The lysate was centrifuged to pellet the unbroken cells and the cleared supernatant was removed. The protein content of the whole cell lysate was quantified using the BCA protein assay.

**Lot: 63410800****Manufacturing Date: 18FEB2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.CSU93.02.23.WCL is attached.

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You are authorized to use this product for research use only. It is not intended for human use.



WORK SHEET FOR WHOLE CELL LYSATE

General Information

BEI Catalog Number: NR-14823  
Product Lot Number: 15.CSU93.02.23.WCL  
Species: Mycobacterium tuberculosis  
Strain: CDC1551

Sonication and Fractionation Information

Starting material (lot #): 14.CSU93.2.4.4.WCg.b  
Cell amount (wet weight): 48.8g  
SOP #: PP007.3 Notebook pages: PMF/TVTRM #1, 51  
Date of French Press Sonication: 02/11/15; Buffer used: PBS +1mM EDTA with protease inhibitor  
Centrifugation Notes Centrifuged at 3000 rpm to remove unbroken cells  
Date 10 mM ammonium bicarbonate dialysis started: 02/16/15  
date completed: 02/18/15  
Notebook; page(s): PMF/TBVTRM#1, 51-53

Quality Control Information

BCA: 13.956  $\mu\text{g}/\mu\text{l}$ . Notebook and page(s): PMF/TBVTRM#1, 54  
Total amount of Protein: 709.34 mg  
Silver Stain Date: 02/23/15. Notebook and page(s): PMF/TBVTRM#1, 56

QC Gel:



Aliquot Information:

30 x 10mg for BEI  
20 x 10mg for IHO  
15 mL @ 13.956  $\mu\text{g}/\mu\text{l}$  bulk

C. Lehaffy 05/11/15  
(Research Associate) (date)

[Signature] 05/12/2015  
(Laboratory Supervisor) (date)