

***Mycobacterium tuberculosis*, Strain CDC1551, Cell Membrane Fraction**

Catalog No. NR-14832

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

Product Description: NR-14832 is a preparation of the cell membrane fraction of *Mycobacterium tuberculosis*, strain CDC1551, and contains the cytoplasmic membrane and components of the outer lipid layer.

Lot: 61315852

Manufacturing Date: 29AUG2013

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 13.CSU93.9.4.MEM is attached.

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WORK SHEET FOR MEMBRANE

General Information

Product Lot Number: 13.CSU93.9.4.MEM
Species: Mycobacterium tuberculosis
Strain: CSU93

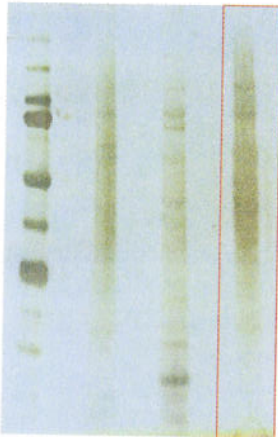
Sonication and Fractionation Information

Starting material (lot #): 13.CSU93.5.21.7.WCg
Cell amount (wet weight): 40g
SOP #: PP008.2 Notebook pages: Rachel Hazenfield Protein 2 pp.38-40, 48-49
Date of French Press Sonication: 08/08/2013 & 08/09/2013; Buffer used: PBS-EDTA with protease inhibitor
Centrifugation Notes Centrifuged at 100,000 x g to recover from cytosol
Date 10 mM ammonium bicarbonate dialysis started: 08/27/2013
date completed: 08/29/2012
Notebook; page(s): Rachel Hazenfield Protein 2 pg.40&48

Quality Control Information

Clarity of product/suspension after dialysis: Milky-beige (normal)
BCA: 0.494 $\mu\text{g}/\mu\text{l}$. Notebook and page(s): Rachel Hazenfield Protein 2 pg.48
Total volume: 42.3 ml Total amount of Protein: 20.89 mg
Silver Stain Date: 09/03/2013 Notebook and page(s): Rachel Hazenfield Protein 2 pp.49

QC Gel: (4 μg)



Aliquot Information:

20 x 1 mg; 1 x 0.89mg

Rachel Hazenfield 9/4/13
(Research Associate) (date)

[Signature] 9/4/2013
(Laboratory Supervisor) (date)