

Mycobacterium tuberculosis*, Strain HN878, Cell Membrane Fraction*Catalog No. NR-14833**

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Product Description:

NR-14833 is a preparation of the cell membrane fraction of *Mycobacterium tuberculosis*, strain HN878, and contains the cytoplasmic membrane and components of the outer lipid layer.

Lot: 70061010**Manufacturing Date: 14MAY2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 14.HN878.11.11.11.MEM.A is attached.

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WORK SHEET FOR MEMBRANE

General Information

BEI Catalog Number: NR-14833
CSU Lot Number: 14.HN878.11.11.11.MEM.A
Species: Mycobacterium tuberculosis
Strain: HN878

Sonication and Fractionation Information

Starting material (lot #): 14.HN878.11.11.11.WCg.b Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected Cell amount (wet weight): 70.4g (see note)
SOP #: PP008.4 Notebook pages: Megan Stookey #3 pgs 8-10, and 14-15
Date(s) of French Press Sonication: 2/7/23 and 5/17/23; Buffer used: PBS-EDTA with protease inhibitor
Centrifugation Notes 100,000xg for 4 hours at 4 degrees C x 2
Date 10 mM ammonium bicarbonate dialysis started: 5/13/23
date completed: 5/14/23
Notebook; page(s): Megan Stookey NB#2 pgs 58-59 and NB#3 pgs 14-15

Additional Notes: Whole cell lysate was used as the starting material. The membrane yield was not high enough, so the cells unbroken by french press were used as starting material and broken by sonication. Both batches came from the same original cell pellet. The membrane batches were combined, and QC was performed on the pool.

Quality Control Information

BCA: 0.519mg/ml Notebook and page(s): Megan Stookey NB#3 pg 15
Total Protein: 12.06 mg
Silver Stain Date: 5/24/23-5/25/23 Notebook and page(s): Megan Stookey NB#3 p15

QC Gel: 4µg

1 2



Lanes:
1=Ladder, 2=Membrane

Aliquot Information:

*Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed.

9 x 1mg for BEI
1 x 3.06mg in bulk

Megan Stookey
(Research Associate)

5/26/23
(date)

PA Staudermeier 5/24/2023
(Laboratory Supervisor) (date)