

Mycobacterium tuberculosis*, Strain CDC1551, Cell Membrane Fraction*Catalog No. NR-14832**

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Product Description:

NR-14832 is a preparation of the cell membrane fraction of *Mycobacterium tuberculosis*, strain CDC1551 (also referred to as CSU93), and contains the cytoplasmic membrane and components of the outer lipid layer.

Lot: 70080853**Manufacturing Date: 17MAR2026**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 26.CDC1551.3.17.MEM is attached.

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Quality Control Work Sheet

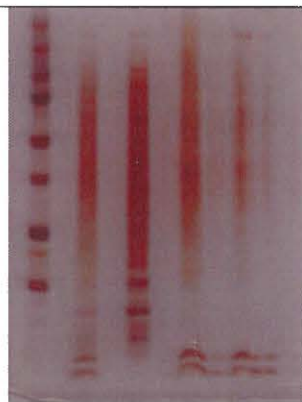
Microbiology and Infectious Diseases Biological Research Repository (MID-BRR)

Item No.	X002 (Subcellular Fractions)	Product's Name	Cell Membrane (CDC1551)		
General Information					
BEI Catalog Number	BEI Lot Number	Product description	Species	Strain	CSU Lot Number
NR-14832	70080853	Cell Membrane (MEM)	<i>Mycobacterium tuberculosis</i>	CDC1551	26.CDC1551.3.17.MEM
Inactivation and Purification Information					
Starting material	18.CDC1551.12.5.15.WCg.2025.b				
Wet Weight (g)	Gamma Irradiation	Heat Inactivation	Chemical treatment	Filter Sterilization	
58.7	YES	N/A	N/A	N/A	
Verification of sterilization/viability testing		No viable organism detected			
Production Process					
Date of French Press/Sonication		03/02/2026			
Lysis Buffer used	PBS-EDTA with 1 tablet of cOmplete EDTA-free protease inhibitor cocktail (Cat. Number: 11873580001)				
Centrifugation Notes	3,000xg for 15 minutes: 27,000xg for 1hour at 4°C: 100,000xg, 4 hours at 4°C (X2)				
Dialysis start date	Dialysis end date	Dialysis Buffer used		Number of buffer changes	
03/13/2026	03/17/2026	10mM Ammonium bicarbonate		3Xs	
SOP Number	PP008.4	Notebook and Page #s:		Eric BEI#1, pages 58 - 64	

Quality Control Information		
Protein concentration (BCA):	0.534 µg/µl	Notebook and Page #s: Eric BEI#1, pages 64
Total Protein:	20.30 mg	Notebook and Page #s: Eric BEI#1, pages 64
Date Silver stain	03/17/2026	Notebook and Page #s: Eric BEI#1, pages 64
Amount of sample loaded on a gel	4 µg	Notebook and Page #s: Eric BEI#1, pages 64

QC Gel

Lanes: 1 2 3 4 5



Lane 1 = Ladder
 Lane 2 = Whole cel lysate
 Lane 3 = Cytosol
 Lane 4 = Cell wall
 Lane 5 = Cell membrane

Aliquot Information: 1mg x 19 BEI labelled vials.

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

Research Associate Sign.:

04/23/2026
 Date:

Lab. Supervisor Sign.:

04/24/26
 Date: