

***Mycobacterium tuberculosis*, Strain HN878, Culture Filtrate Proteins****Catalog No. NR-14827**

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

**Product Description:** NR-14827 is a preparation of culture filtrate proteins (CFP) from *Mycobacterium tuberculosis*, strain HN878 and contains most of the excreted and secreted proteins of the organism.

**Lot: 63449518****Manufacturing Date: 10SEP2016**

Production and QC testing were performed by Colorado State University (CSU) under the TB Vaccine Testing and Research Materials Contract (NIH). The CSU documentation for lot 16.HN878.8.18.10.CFP is attached.

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

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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 CULTURE FILTRATE PROTEIN

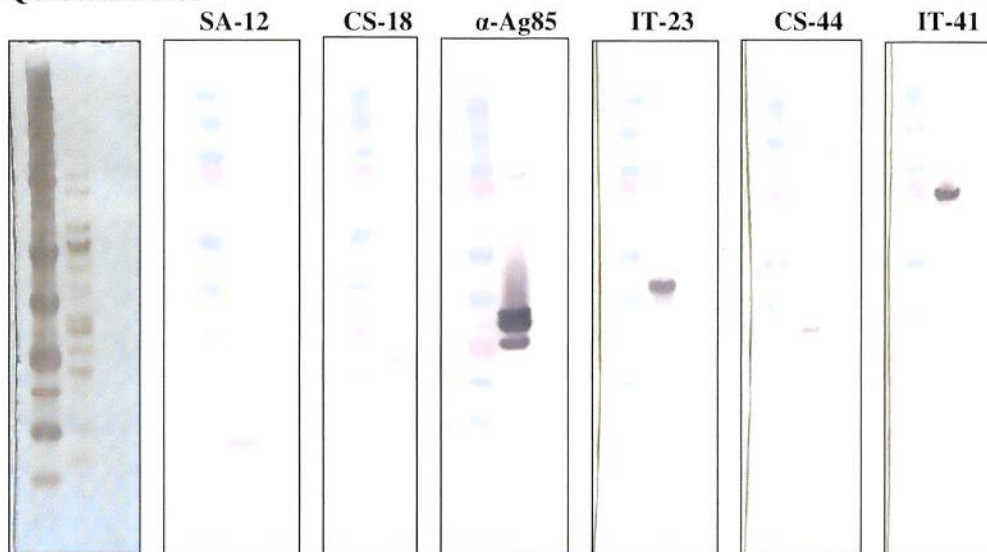
General Information

CSU Lot Number: 16.HN878.8.18.10.CFP
Species: M. tuberculosis
Strain: HN878
Date Harvested/Finished: 08/18/2016
By: P. Knabenbauer
NaN3 Added: Yes
Date ultrafiltration started: 08/31/2016
Date completed: 09/02/2016
Date 10 mM ammonium bicarbonate dialysis started: 09/06/2016
date completed: 09/10/2016

Quality Control Information

Clarity of product/suspension after dialysis: Clear
Passed through 0.2 um filter: Yes
BCA: 1.162 ug/ul. Notebook and page(s): Megan Lucas, BEI Production #3 pg 19
Total Protein: 225 mg
Silver Stain Date: 09/20/2016 Notebook and page(s): Megan Lucas, BEI Production #3 pg 19
Western Blot of QC Antibodies Date: 09/20/2016
Notebook and page(s): Megan Lucas, BEI Production #3 pg 19
Note: CS-18 western blot repeated 11/7/2016, Notebook pg 19

QC Gel and Blot:



Aliquot Information:

81 x 1 mg
1 x 145 mg

Handwritten signatures and dates: Mya Lu (Research Associate) 11-10-16 (date), C. Lehany (Laboratory Supervisor) 11-10-16 (date)