

***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* (*M. tuberculosis*), strain HN878 and contains most of the excreted and secreted proteins of the organism.

**Lot: 61190398****Manufacturing Date: 21APR2012**

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation for lot 12.HN878.4.2.5.A.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

Lot Number: 12.HN878.4.2.5.A.CFP  
Species: M. tuberculosis  
Strain: HN878  
Date Harvested/Finished: 04/16/2012  
By: Philip Knabenbauer  
NaN<sub>3</sub> Added: No  
Date ultrafiltration started: 04/17/2012  
Date completed: 04/18/2012  
Date 10 mM ammonium bicarbonate dialysis started: 04/18/2012  
date completed: 04/21/2012

Quality Control Information

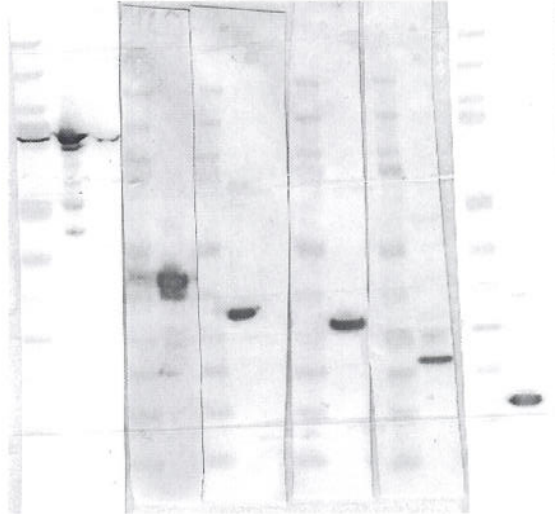
Clarity of product/suspension after dialysis: Clear Brown  
Passed through 0.2 µm filter: Yes  
BCA 1.043 µg /µl. Notebook and page(s): Rachel Hazenfield Protein pp. 7-9  
Total volume: 80ml Total amount of Protein: 83.4 mg  
Silver Stain Date: 04/27/2012. Notebook and page(s): Rachel Hazenfield Protein p. 8  
Western Blot of QC Antibodies Date: 4/27/2012. Notebook and page(s): Rachel Hazenfield Protein p. 8  
QC Gel and Blot:

Gel



Western

IT-41 IT-23 CS-44 CS-90 CS-18 SA-12



Aliquot Information:

1 x 83.4 mg

Rachel Hazenfield 5/8/2012  
(Research Associate) (date)

[Signature] 5/9/2012  
(Laboratory Supervisor) (date)