

**Ag85A (Rv3804c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv****Catalog No. NR-14856**

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

**Product Description:** NR-14856 is a preparation of antigen 85A (Ag85A) protein purified from the culture filtrate proteins of *Mycobacterium tuberculosis*, strain H37Rv.

**Lot: 70001799****Manufacturing Date: 30AUG2017**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 17.Rv.2.8.30.Ag85A is attached.

ATCC®, 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®'s knowledge.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

BEI Catalog Number: NR-14856
Product Description: Ag85A (Rv3804c)
CSU Lot Number: 17.Rv.2.8.30.Ag85A
Species: M. tuberculosis
Strain: H37Rv

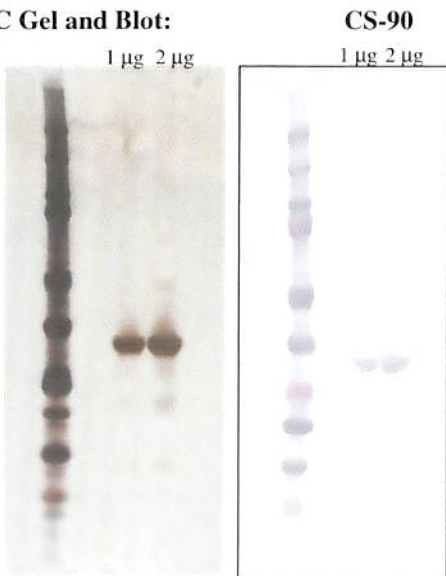
Purification Information

Starting material: CFP: 14.Rv.2.10.11.7.CFP (211.9 mg), 14.Rv.2.9.9.4.CFP (305.2 mg), 13.Rv.2.10.8.6.CFP (159 mg), 13.Rv.2.9.24.5.CFP (33.7 mg)
Starting material (select one):
[X] CFP: Filter Sterilized Yes
Cells: Irradiated N/A
Viability Test Performed: N/A
Protocol used (SOP #'s): PP021.6
Date started: 07/10/2017
Date completed: 8/30/2017
Notebook; page(s): Megan Lucas, BEI Production #3, pg 81-90
Additional notes (if applicable):

Quality Control Information

Clarity of product/suspension after dialysis: clear
BCA: 7.49 ug/ul Notebook and page(s): MCL, BEI Production #3; pg 89
Total Protein: 20.5 mg
Silver Stain Date: 8/25/2017 Notebook and page(s): MCL, BEI Production #3; pg 89
Western blot Date: 8/25/2017 Antibody used: CS-90
Notebook and page(s): MCL, BEI Production #3; pg 89
Mass Spectrometry information/file (if applicable): Fractions and final product analyzed by MALDI for purity.
Final product MALDI data: MCL, BEI Production Notebook #3, pg 90

QC Gel and Blot:



Aliquot Information:

50 x 250 µg
8 x 1 mg

Signature of Research Associate: Mg. Lu
Date: 8-31-17

Signature of Laboratory Supervisor: C. Mahaffy
Date: 8-31-17