

***Mycobacterium tuberculosis*, Strain H37Rv, Mycolylarabinogalactan-Petidoglycan (mAGP)****Catalog No. NR-14851**

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

**Product Description:** NR-14851 is a preparation of the mycolylarabinogalactan-peptidoglycan (mAGP) complex of the *Mycobacterium tuberculosis*, strain H37Rv cell wall core.

**Lot: 58819135****Manufacturing Date: 05MAY2009**

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 09.Rv.04.23.01.mAGP is attached.

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## Worksheet for Purified mAGP

### General Information

Lot Number: 09.Rv.04.23.01.mAGP  
Species: M. tuberculosis  
Strain: H37Rv

### Purification

Starting material 4% Triton X-114 insoluble cell wall  
Lot number N/A  
Protocols used PP011, SP003, SP030  
Date started 3/30/09  
Date completed 5/5/09  
Notebook pages mAGP Notebook I pp 11-23

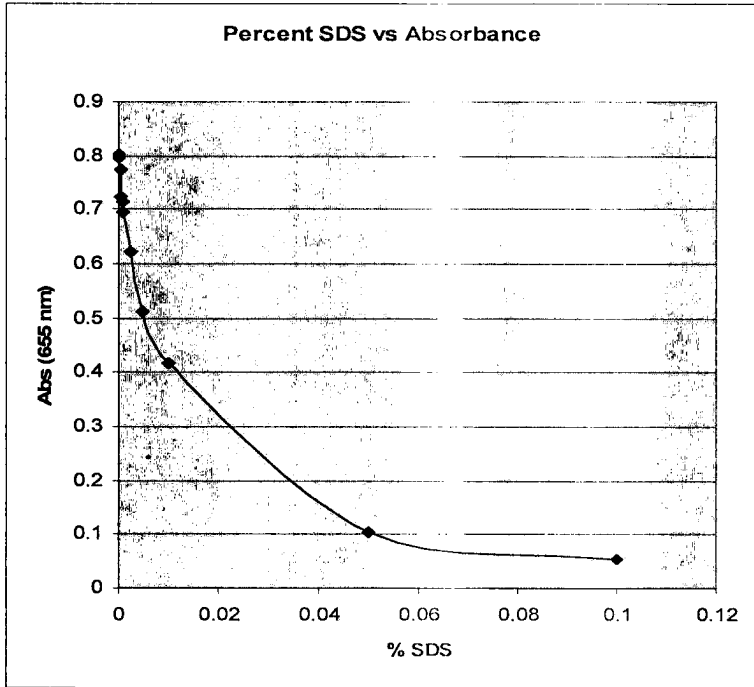
Additional notes

### Quality Control

Total amount of mAGP 770.0 mg  
BCA result 0.015 mg/ml  
% SDS determination < 0.0005 %  
Notebook pages mAGP Notebook I pp 24-29

### Protein analysis

Sample	Mean OD	Stnd Dev	Conc mg/ml
S1	0.0700	0.005	0.100
S2	0.0987	0.004	0.200
S3	0.3047	0.027	0.600
S4	0.5180	0.036	1.000
S5	0.7053	0.029	1.400
S6	0.8073	0.035	1.600
SDS wash 1	3.0780	0.241	61.510
post PK	0.2807	0.007	0.540
heated SDS 1	0.0513	0.007	0.080
H2O wash 1	-0.0150	0.003	-0.050
mAGP 1.0 mg/ml	0.0023	0.007	0.015
0.5 mg/ml	-0.0113	0.003	-0.086
0.2 mg/ml	-0.0180	0.004	-0.028



% SDS	Abs
blank	0.762
0.00005	0.803
0.0001	0.796
0.00025	0.774
0.0005	0.724
0.00075	0.713
0.001	0.696
0.0025	0.621
0.005	0.513
0.01	0.417
0.05	0.105
0.1	0.055

sample	average
	0.733
	0.7395
	0.746

*Danny C. Foster*      5/6/09  
 \_\_\_\_\_  
 (Research Associate)      date

*[Signature]*      5/6/2009  
 \_\_\_\_\_  
 (Laboratory Supervisor)      date