

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Mycolylarabinogalactan-Peptidoglycan (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.

Lot¹: 70026006

Manufacturing Date: 09MAY2011

TEST	SPECIFICATIONS	RESULTS
Concentration by Bicinchoninic Acid Protein Assay^{1,2}	Report results	~ 98.8 µg per µL ³
Sodium Dodecylsulfate Determination in an Aqueous Solution¹	Report results	< 0.0005%
Quantity per vial	~ 5 mg	~ 5 mg

¹Production and QC testing were performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH) and provided as a bulk lot. NR-14851 bulk lot 11.Rv.05.06.01.mAGP was aliquoted by BEI Resources on 31MAY2019 as NR-14851 lot 70026006. Testing by BEI Resources was performed on NR-14851 lot 70026006 suspended in 50% acetone in phosphate buffered saline. The CSU documentation for bulk lot 11.Rv.05.06.01.mAGP is attached.

²Using BSA as a standard

³The concentration measurement by BCA is highly variable because mAGP is poorly soluble.

/Heather Couch/

Heather Couch

15 JUL 2019

Program Manager or designee, ATCC Federal Solutions

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Worksheet for Purified mAGP

General Information

BEI Catalog Number: NR-14851

Lot Number: 11.Rv.05.06.01.mAGP

Species: M. tuberculosis

Strain: H37Rv

Purification

Starting material 4% Triton X-114 insoluble cell wall

Lot number N/A, from 3 batches, 2009-2010, total 120 ml

Protocols used PP011, SP003, SP030

Date started 4/25/11

Date completed 5/9/11

Notebook pages mAGP Notebook I pp 33-38

Quality Control

Total amount of mAGP 2688.0 mg

BCA result 0.066 mg/ml

% SDS determination < 0.0005 %

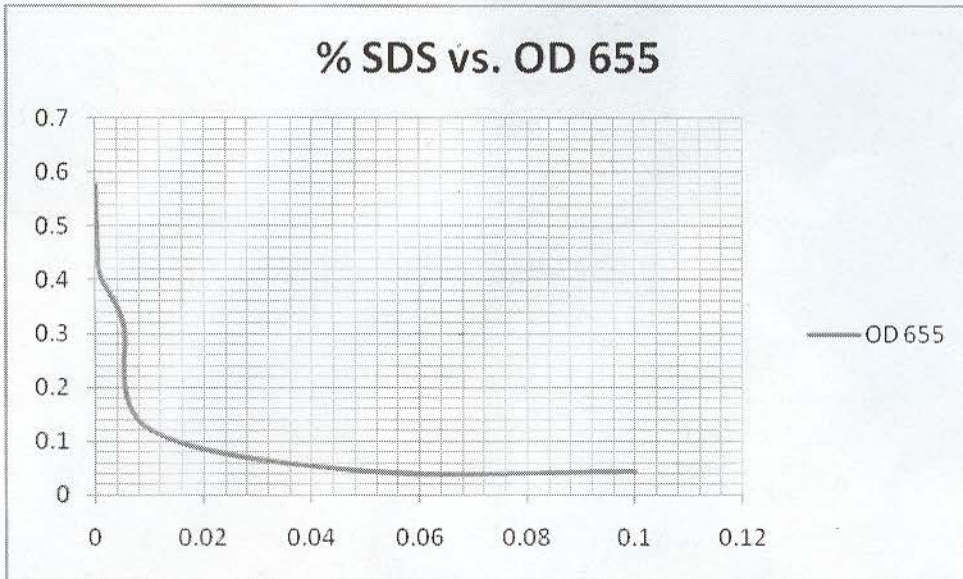
Notebook pages mAGP Notebook I pp 39-43

Protein analysis

Sample	Mean OD	Std Dev	Conc mg/ml
S1	0.070	0.003	0.10
S2	0.146	0.001	0.20
S3	0.406	0.012	0.60
S4	0.646	0.006	1.00
S5	0.835	0.035	1.40
S6	0.960	0.013	1.60
S7	1.138	0.013	2.00
mAGP			
1.0 mg/ml	0.046	0.037	0.003
2.0 mg/ml	0.082	0.023	0.066

SDS Analysis

% SDS	OD 655	2.0 mg/ml	1.0 mg/ml
		mAGP	mAGP
0.00005	0.576		
0.00025	0.512		0.519
0.0005	0.457	0.476	
0.001	0.406		
0.005	0.323		
0.01	0.122		
0.05	0.044		
0.1	0.043		



Aliquots

1 x 631.8 mg
 1 x 690.8 mg
 1 x 532.0 mg
 1 x 572.3 mg
1 x 261.1 mg
2688.0 mg

Danny L. Lissen 5/10/11

 (Research Associate) date

[Signature] 5/10/11

 (Laboratory Supervisor) date