

***Mycobacterium tuberculosis*, Strain H37Rv, Purified Arabinogalactan****Catalog No. NR-14852**

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**Product Description:**

NR-14852 is a preparation of arabinogalactan purified from the mycolyl-arabinogalactan peptidoglycan complex (mAGP) of *Mycobacterium tuberculosis*, strain H37Rv. mAGP was hydrolyzed with potassium hydroxide in methanol and the arabinogalactan peptidoglycan insoluble material was removed with mild acid to release the arabinogalactan, which was then neutralized, dialyzed and dried.

**Lot: 70037232****Manufacturing Date: 06APR2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 21.Rv.1.4.21.AG is attached.

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## WORK SHEET FOR PURIFIED ARABINOGALACTAN (AG)

### General Information

BEI Catalog Number: NR-14852  
CSU Lot Number: 21.Rv.1.4.21.AG  
Species: *M. tuberculosis*  
Strain: H37Rv

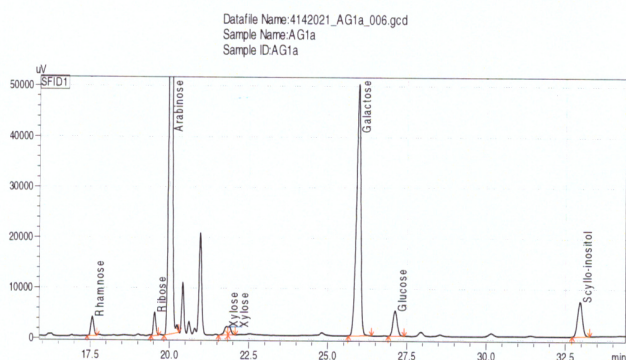
### Purification Information

Starting material: 21.Rv.3.23.21.mAGP1, 21.Rv.3.23.21.mAGP2  
Notebook and page(s): ATCC-CM-1, pg: 43, 38-39, 46-48  
Cells Irradiated: Yes  
Viability Test Performed: No Viable Organism Detected  
Protocol used (SOP #'s): Protocol from Grzegorzewics & Jackson, Methods Mol Biol, 2013, 966: 309-324  
Date started: 03/28/21  
Date completed: 04/06/21  
Notebook; page(s): ATTC-CM-1, pg 49  
Additional notes (if applicable): Additional neutralization with barium carbonate (2 h, RT) followed by centrifugation was performed to neutralize pH.

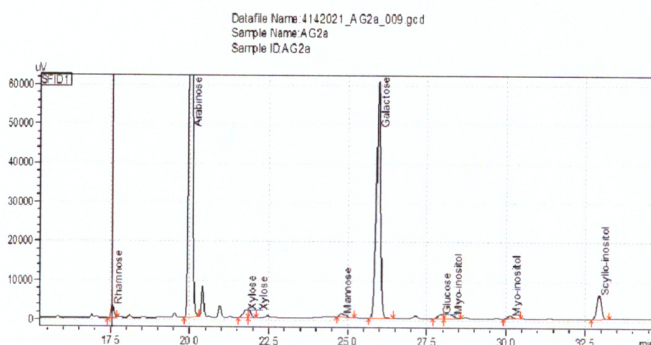
### Quality Control Information:

Total volume: 8.6 mL Total amount of AG: 49.721 mg  
Date dried on N<sub>2</sub> bath: 4/21/21  
GC date: 4/14/21 Notebook and page(s): ATCC-CM-1, pg 61-62

### QC GC:



avg areas	AG1	AG2
Arabinose	1418155	1272378
Galactose	674893	595149
Scyllo-inositol	85061	74585



### Aliquot Information:

49 x 1.0 mg = 49 mg total

Retained 0.721 mg

C. J. Lehappy  
(Research Associate)

4/23/21  
date

[Signature]  
(Laboratory Supervisor)

4/23/21  
date