

Mycobacterium smegmatis*, Purified Lipoarabinomannan (LAM)*Catalog No. NR-14849**

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Product Description:

NR-14849 is a preparation of lipoarabinomannan (LAM) derived from the cell wall of *Mycobacterium smegmatis*. LAM possesses many biological activities including immunogenicity, induction of TNF and the release of other cytokines, and inhibition of antigen processing.

Lot: 70044118**Manufacturing Date: 21APR2021**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 21.Smeg.4.21.LAM.b is attached.

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WORK SHEET FOR LIPOARABINOMANNAN

General Information

BEI Catalog Number: NR-14849
Lot Number: 21.Smeg.4.21.LAM.b
Species: *Mycobacterium smegmatis*
Strain: N/A

Purification Information

Starting material (lot #): 19.SMEG.11.8.5.Wcg. a and 19.SMEG.11.8.5.Wcg.b
Cells Irradiated: N/A
Viability Test Performed: LJ slant negative after delipidation 11/19/19 DF NB3 pg. 66
Cell amount (wet weight): 74.1146 g and 77.5252 g
Protocol used (SOP #): PP015.3, PP016.4, PP017.2,
Date started: 11/1/19
Date completed: 4/21/21
Notebook; pages: DF BEI NB 3 pg. 65-75 and DF BEI NB 5 pg.12-28
Additional notes (if applicable): N/A

Quality Control Information

NMR results: pass *contamination peaks from vials Notebook and page(s): DF NB5 pg: 18
Endotoxin amount: 0.76ng/mg Notebook and page(s): DF NB5 pg: 27
GC Results: 1.324mg/ml Notebook and page(s): DF NB3 pg: 25
Total amount of LAM: 4.9mg
Silver stain date: 4/20/2021 Notebook and page(s): DF NB5 pg: 28
Western blot date: 4/20/2021 Antibody used: CS-35 Notebook and page(s): DF NB5 pg:28
Amount loaded on gels: 3ug

QC Gel and Blot:



* Trace Lm (<10%)

Aliquot Information:

9 X 0.5mg vials
1 X 0.4mg vials

Danay Flores 4/22/21
(Research Associate) (date)

C. McHaffey 4/23/21
(Laboratory Supervisor) (date)