

Certificate of Analysis for NR-14849

Mycobacterium smegmatis, Purified Lipoarabinomannan (LAM)

Catalog No. NR-14849

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

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.

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 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
Endotoxin amount:.0.76ng/mg

GC Results: 1.324mg/ml

Notebook and page(s): DF NB5 pg: 27
Notebook and page(s): DF NB3 pg: 25

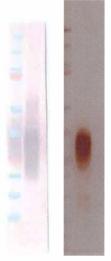
Total amount of LAM: 4.9mg

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:

(Research Associate)

9 X 0.5mg vials

1 X 0.4mg vials

(date)

(Laboratory Supervisor)

(data)