

Mycobacterium leprae* SDS-Soluble Cell Wall Fraction (MLCwA)*Catalog No. NR-19333**

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Product Description: NR-19333 was produced from purified *Mycobacterium leprae* liver and spleen whole cells (non-irradiated, non-autoclaved) extracted from a pool of infected armadillo and spleen tissue. Cells were sonicated for forty, one-minute cycles and an acid fast stain of the sonicate was performed to confirm complete breakage of the cells. The sonicate was centrifuged to pellet the cell wall material which was washed three times with phosphate buffered saline to remove any contaminating cytosolic or membrane proteins. The washed pellet was resuspended in phosphate buffered saline and 2% sodium dodecyl sulfate (SDS) and heated. After one hour the mixture was centrifuged to remove the insoluble material. After two additional extractions the extracts were pooled and passed over an Extractigel-D column to remove the SDS. The final preparation was quantitated for protein content by BCA assay.

Lot: 62976464**Manufacturing Date: 27APR2016**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.*Mlep*.5.19.MLCwA is attached.

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QC SHEET FOR *M. LEPRAE* SOLUBLE CELL WALL PROTEIN (MLCwa)

General Information

Product Lot Number: 16.Mlep.5.19.MLCwa

Species: *Mycobacterium leprae*

Strain: NHDP-98

Cell prep pool:

Armadillo	5R109	Liver	NHDP-98	harvested	09.11.2012	11.08 mg
Armadillo	5R109	Liver	NHDP-98	harvested	11.06.2012	12.01 mg
Armadillo	5R109	Liver	NHDP-98	harvested	03.10.2013	13.03 mg
Armadillo	5R109	Liver	NHDP-98	harvested	03.10.2013	3.2 mg
Armadillo	5R109	Liver	NHDP-98	harvested	03.15.2013	14.17 mg
Armadillo	5R109	Spleen	NHDP-98	harvested	03.29.2013	30.98 mg

Sonication and Fraction Information:

Cell amount (wet weight): 84.56 mg

SOP#: Subcellular fraction protocol (PP051) Notebook: Drew Faturos BEI Notebook pg 13

Date of Probe Sonication: 4/27/16 Buffer used: PBS

Centrifugation Notes: 27,000xg spin to obtain cell wall pellet; washed cell wall extracted with 2% SDS three times, pooled; detergent removed by SDS Removal Protocol (SP019).

Quality Control Information:

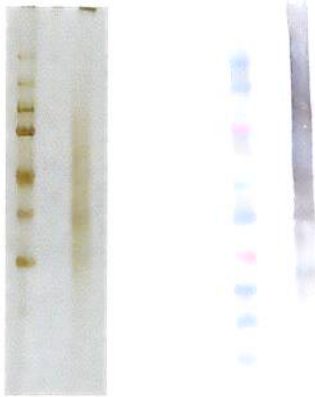
Clarity of Product: cream

BCA: 3.997ug/ul Notebook and page(s): Drew Faturos BEI Notebook pg 21

Total amount of protein: 9.75 mg

Silver Stain Date: 05/19/2016 Western Blot: 1ug MLCwa per lane, CS-44

QC Gel and Western Blot:



Aliquot Information: 39 * 0.25 mg

Mys Lusa in lieu of Drew Faturos
5-23-16
(Research Associate) (date)

C. Melhapp 5-23-16
(Laboratory Supervisor) (date)