Mycobacterium leprae Cytosol Fraction (MLSA) minus LAM

Catalog No. NR-19328
This reagent is the tangible property of the U.S. Government.

Product Description: NR-19328 was produced from purified Mycobacterium leprae (M. leprae) whole cells (non-irradiated, non-autoclaved) extracted from a pool of infected armadillo liver 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 and the resulting supernatant was further centrifuged to pellet the cell membrane material. The LAM was removed from the cytosolic protein fraction by TX-114 extraction. The final supernatant was collected and the protein content quantitated by BCA assay.

Lot: 61181930 Manufacturing Date: 30OCT2012

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for lot MLSAminusLAM.Batch103.08.23.2012.JNK 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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You are authorized to use this product for research use only. It is not intended for human use.
QC SHEET FOR M. LEPRAE MLSA CYTOSOL MINUS LAM PROTEIN

General Information
Product Lot Number: MLSAminusLAM.Batch103.08.23.2012 JNK
Catalog Number: NR-19328
Species: Mycobacterium leprae
Strain: NHDP-55

Cell prep pool:
<table>
<thead>
<tr>
<th>Armadillo</th>
<th>3T50</th>
<th>liver</th>
<th>NHDP-55</th>
<th>harvested</th>
<th>02.02.2011</th>
<th>4.51mg</th>
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<tbody>
<tr>
<td>Armadillo</td>
<td>5L55</td>
<td>spleen</td>
<td>NHDP-55</td>
<td>harvested</td>
<td>03.15.2012</td>
<td>15.67mg</td>
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<td>Armadillo</td>
<td>5L55</td>
<td>liver</td>
<td>NHDP-55</td>
<td>harvested</td>
<td>07.05.2012</td>
<td>24.55mg</td>
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<tr>
<td>Armadillo</td>
<td>5L55</td>
<td>liver</td>
<td>NHDP-55</td>
<td>harvested</td>
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<td>Armadillo</td>
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<td>NHDP-55</td>
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<td>23.11mg</td>
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<td>Armadillo</td>
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<td>liver</td>
<td>NHDP-55</td>
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<td>07.19.2012</td>
<td>12.65mg</td>
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<td>Armadillo</td>
<td>5L55</td>
<td>spleen</td>
<td>NHDP-55</td>
<td>harvested</td>
<td>07.22.2012</td>
<td>37.32mg</td>
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</table>

Sonication and Fractionation Information
Starting material (lot #): Batch #103
Cell amount (wet weight): 198.68 mg whole cells
SOP #: subcellular fractionation protocol, LAM Removal protocol, and PP010
Notebook pages: Tissue Prep Book #3 p31-33
Date of Probe Sonication: 08/21/12
Buffer used: PBS
Centrifugation Notes: 27,000 x g spin to obtain supernatant (cytosol plus membrane); 75,000 x g spin of this to obtain supernatant fraction (MLSA).

Quality Control Information
Clarity of product: orange/amber in color
BCA: 2.4 µg/ml
Notebook and page(s): INK notebook #3 pp. 21-27
Total volume: 3 ml
Total amount of Protein: 7.2 mg
Silver Stain Date: 10/22/12
Western blot: 4 µg MLSA per lane, α-MLSA-LAM (pAb), 1:5,000 culture supernatant.

QC Gel and Western blot:
Silver Stain (w/ periodic acid)
Lane 1: Molecular Weight
Lane 2: MLSA Batch #102 (2ug)
Lane 3: MLSA-LAM Batch #103 (2ug)
Lane 4: MLSA-LAM Batch #80 (2ug)

Western Blot
Lane 1: Molecular Weight
Lane 2: MLSA-LAM Batch #103
Lane 3: MLSA-LAM Batch #80

10-  25-  75- silver stain  Western Blot

Aliquot Information: 0.25mg x 24 vials lyophilized

Produced by/ Date
Lab Supervisor/ Date