b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for NR-19352

Genomic DNA from *Mycobacterium leprae*, Strain Thai-53

Catalog No. NR-19352
This reagent is the tangible property of the U.S. Government.

Product Description: NR-19352 is a preparation of genomic DNA from *Mycobacterium leprae*, strain Thai-53. DNA was extracted from whole bacilli by chloroform/methanol (2:1) extraction in an equal volume of Tris-EDTA buffer. Cell lipids were removed and the delipidated cells were treated with sodium dodecyl sulphate and Proteinase K. Genomic DNA was isolated from contaminating proteins and polysaccharides by organic extraction and precipitation with isopropanol, respectively.

Lot: 61181932 **Manufacturing Date: 28MAR2013**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for bulk lot 13.Mlep.03.11.gDNA.Thai-53 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.

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.

Support Provided by NIAID

BEI Resources
www.beiresources.org

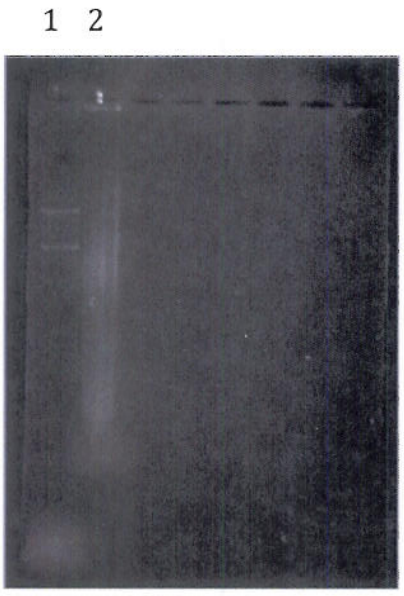
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

QUALITY CONTROL SHEET FOR M. LEPRAE GENOMIC DNA THAI- 53 STRAIN

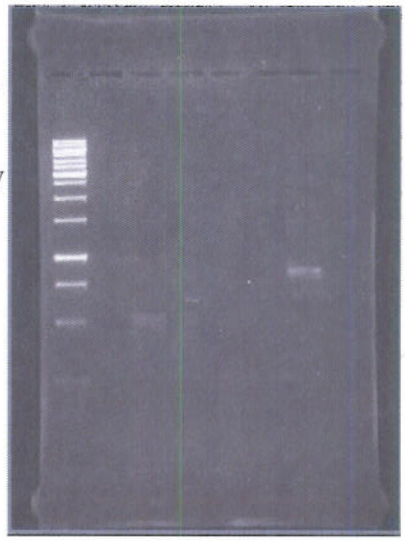
General Information:
Lot number: 13.Mlep.03.11.gDNA.Thai-53
Species: *Mycobacteria leprae*
Strain: Thai-53

Product Information:
Starting Material: Tissue ID 3C186Liver#1 Weight: 38.1g
Date Purified: 06.28.12 Weight: 29.81mg
SOP: PP042 "Large scale purification of *M. bovis* genomic DNA"
Date started: 03.11.13 Notebook Pages: JNK Book#3 pp52-55
Special notes: Additional Choroform/Isoamyl Alcohol (24:1) extractions were needed to ensure Phenol removal, which lead to shearing of DNA. PCR was performed using primers specific to *M. leprae* genome during the QC process to ensure DNA integrity.

Quality Control:
A260/280 ratio:1.85 A260/230ratio:2.14 Concentration: 152ng/ul Volume: 840ul
Method for quantifying: nano drop Notebook Pages: JNK Book#3pp 56-57
Special notes: in TE buffer.



Lane 1- 1kb MW
Lane 2- Thai-53 (1ug)
Lane 3- 8- Empty



Lane 1- 1kb MW
Lane 2- negative control
Lane 3- Primer 0227
Lane 4- Primer 0333
Lane 5- Primer 0348
Lane 6 – Primer 393
Lane 7- Primer 0544
Lane 8- Empty

Aliquot information: 127.68ug of Thai-53 genomic DNA will be aliquoted as needed.

Jade Kuwil 3/28/13
Produced by/ Date

1 /2013
Supervisor/ Date