

Mycobacterium tuberculosis*, Strain H37Rv TX-114 Soluble Proteins*Catalog No. NR-14841**

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Product Description: NR-14841 is a preparation of the TX-114 soluble proteins of *Mycobacterium tuberculosis*, strain H37Rv. The culture was grown to late log phase in glycerol-alanine-salts medium, washed with PBS and inactivated by gamma-irradiation. Cells were broken by French press in 4% triton X-114, partitioned at 37°C and centrifuged. The upper aqueous layer was removed and the process was repeated twice to extract the triton layer. The final triton layer was precipitated in acetone to remove the triton, and the resulting pellet was phenol-extracted, and then dialyzed in water. The protein content of the final product was then quantified using the BCA protein assay.

Lot: 62795337**Manufacturing Date: 09SEP2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.9.18.TX114 is attached.

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WORK SHEET FOR TX-114 EXTRACTED PROTEINS

General Information

BEI Catalog Number: NR-14841
CSU Lot Number: 15.Rv.9.18.Tx114
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

Product Information

Starting material (lot #): 13.Rv.2.9.10.4
Cells Irradiated: Yes
Viability Test Performed: No Viable Organism Detected
Amount starting material: 67.2 g
SOP #: PP010.3 Notebook pages: Drew Faturos BEI pg. 1-7
Date TX-114 Extract: 8 /25 /15 ;
Number of TX-114 Extracts: 2
Notes on Extractions: NA

Date Acetone Precipitation Started: 8 /31 / 15 ; Temperature of Acetone Precipitation: -20C

Date Phenol Partition Started: 9 /4 /15 ; Volume of Phenol Partition: 13ml

Date deionized water dialysis started: 9 /4 /15 ;
Date completed: 9 / 8 /15 ;

Date MilliQ water dialysis started: 9 /8 /15 ;
Date completed: 9/9 /15 ;

Quality Control Information

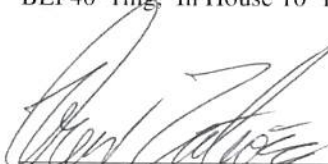
BCA: 0.762 $\mu\text{g}/\mu\text{l}$. Notebook and page(s): Drew Faturos BEI Notebook pg. 7
Total amount of Protein: 140mg
Silver Stain Date: 9 /16 /15. Notebook and page(s): Drew Faturos BEI Notebook pg. 7


QC Gel:



Aliquot Information:

BEI 40*1mg, In House 10*1mg, 9*10mg


(Research Associate) 9/21/15
(date)


(Laboratory Supervisor) 9-21-15
(date)