

***Mycobacterium tuberculosis*, Strain H37Rv, Cytosol Fraction**

Catalog No. NR-14834

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

Product Description: NR-14834 is a preparation of the cytosol fraction of *Mycobacterium tuberculosis*, strain H37Rv, and contains cytosolic proteins and soluble material released from the cell wall during disruption of the bacilli.

Lot^{1,2}: 61942026

Manufacturing Date: 04SEP2011

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE and Silver Stain ²	Report results	Visible smear of cytosol proteins (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay ^{2,3}	Report results	3.17 µg/µL
Quantity per vial	~ 1 mg	~ 1 mg
Volume per vial	Report results	~ 330 µL

¹Production and QC testing were performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH) and provided as a bulk lot. NRC-14834 bulk lot 10.Rv.2.11.8.6.CYT was aliquoted at ATCC® on 09AUG2013 as NR-14834 lot 61942026. The CSU documentation for bulk lot 10.Rv.2.11.8.6.CYT is attached.

²Retesting of NR-14834 lot 61942026 was performed by BEI Resources in October 2016 to confirm product stability.

³Using BSA as a standard

Date: 06 DEC 2016

Signature:



BEI Resources Authentication

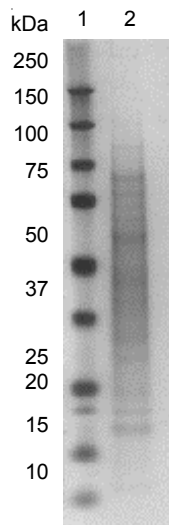
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Figure 1: SDS-PAGE of Cytosol Fraction



Lane 1: Precision Plus Protein™ Standard
Lane 2: NR-14834 lot 61942026, 1.0 µg

WORK SHEET FOR CYTOSOL

General Information

BEI Catalog Number: NR-14834
Product Lot Number: 10.Rv.2.11.8.6.CYT
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

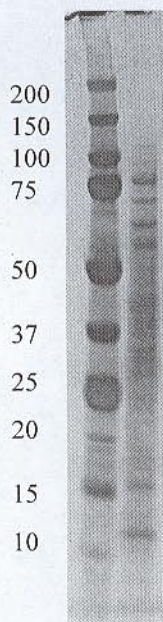
Sonication and Fractionation Information

Starting material (lot #): 10.Rv.2.11.8.6.WCg
Cell amount (wet weight): 75.7g
SOP #: PP007.1 Notebook pages: Nick May #48
Date of French Press Sonication: 08 / 29 / 11; Buffer used: 1mM EDTA-PBS
Centrifugation Notes Centrifuged two times at 100,000 x g to separate from membrane
Date 10 mM ammonium bicarbonate dialysis started: 08 / 31 / 11
date completed: 09 / 04 / 11
Notebook; page(s): Prucha #109

Quality Control Information

Clarity of product/suspension after dialysis: Clear
BCA: 3.05 $\mu\text{g} / \mu\text{l}$. Notebook and page(s): Prucha #110
Total volume: 200 ml Total amount of Protein: 610 mg
Silver Stain Date: 09 / 08 / 11 Notebook and page(s): Prucha #110

QC Gel:



Aliquot Information:

None

C. Melchey
(Research Scientist)

9/20/11
(date)

Karl D.
(Laboratory Supervisor)

9/20/11
(date)