**Mycobacterium bovis**, Strain AF 2122/97 (ATCC® BAA-935™), Cytosol Fraction

**Catalog No. NR-31215**
This reagent is the tangible property of the U.S. Government.

**Product Description**: NR-31215 is a preparation of the cytosol fraction of *Mycobacterium bovis*, strain AF 2122/97 (ATCC® BAA-935™), and contains cytosolic proteins and soluble material released from the cell wall during disruption of the bacilli.

**Lot**: 61056060  
**Manufacturing Date**: 16MAY2012

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS-PAGE (Silver Stain)</td>
<td>Report results</td>
<td>Multiple protein bands visible (Figure 1)</td>
</tr>
<tr>
<td>Concentration by Bicinchoninic Acid</td>
<td>Report results</td>
<td>3.032 mg per mL</td>
</tr>
<tr>
<td>Protein Assay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 12.BAA-935.2.13.5.CYT is attached.  
2Retesting of NR-31215 lot 61056060 was performed by BEI Resources in June 2017 to confirm product stability.  
3Using BSA as a standard

**Date**: 30 JUN 2017  
**Signature**: [Signature]

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by 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.
WORK SHEET FOR CYTOSOL

General Information

Product Lot Number: 12.BAA935.2.13.5.CYT
Species: Mycobacterium bovis
Strain: BAA935

Sonication and Fractionation Information

Starting material (lot #): 12.BAA935.2.13.5.W/Cg
Cell amount (wet weight): 24.8g
SOP #: PP008.1 Notebook pages: Rachel Hazenfield Protein 1 pp.20-21
Date of French Press Sonication: 05/09/2012 ; Buffer used: PBS-EDTA with protease inhibitor
Centrifugation Notes centrifuged at 100,000 x g to recover from membrane
Date 10 mM ammonium bicarbonate dialysis started: 5/14/2012
Date completed: 5/16/2012
Notebook; page(s): Rachel Hazenfield Protein 1 pg.20

Quality Control Information

Clarity of product/suspension after dialysis: Clear, slightly yellow
BCA: 2.817 µg/µl
Total volume: 88 ml
Silver Stain Date: 05/17/2012
Total amount of Protein: 247 mg
Notebook and page(s): Rachel Hazenfield Protein 1 pg.21

QC Gel:

Aliquot Information:

247 x 1 mg

[Signature] (Research Associate)  [Signature] (Laboratory Supervisor)
[Date]  [Date]