

## **Certificate of Analysis for NR-30658**

### Mycobacterium tuberculosis, Strain 96-2402

### Catalog No. NR-30658

#### **Product Description:**

Mycobacterium tuberculosis (M. tuberculosis), strain 96-2402 was isolated between 1995 and 2000 from human sputum from an HIV-negative patient with drug-susceptible tuberculosis in North America. Strain 96-2402 deposited as a drug-sensitive strain of tuberculosis with sensitivity to rifampicin and isoniazid. NR-30658 was produced by inoculation of the deposited material into Middlebrook 7H9 broth with ADC enrichment and grown for 32 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Middlebrook 7H10 agar with OADC enrichment kolles, which were grown for 20 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

Lot: 63103800 Manufacturing Date: 12FEB2015

	RESULTS
Gram-positive rods	Gram-positive rods
Report results	Irregular, low convex, undulate, rough and cream
≥ 7 days	18 days
Negative	Negative
Positive (red colonies)	Positive (red colonies)
Negative (no pigment)	Negative (no pigment)
Negative (no pigment)	Negative (no pigment)
Positive (no pigment)	Positive (no pigment)
, , , , ,	,
Positive	Positive
Positive	Positive
Positive	Positive
≥ 99% sequence identity to <i>M. tuberculosis</i> type strain (GenBank: AL123456)	100% sequence identity to  M. tuberculosis type strain (GenBank: AL123456) <sup>3</sup>
	Growth consistent with expected colony morphology
2	Growth consistent with expected colony morphology
Growth	Growth
2	Report results  2 Report results  2 7 days     Negative     Positive (red colonies)     Negative (no pigment)     Negative (no pigment)     Positive (no pigment)  Positive     Positive     Positive  2 99% sequence identity to     M. tuberculosis type strain     (GenBank: AL123456)  Growth consistent with expected     colony morphology     Report results

<sup>&</sup>lt;sup>1</sup>Information on *Mycobacterium* testing is available from Ribón, W. "Biochemical Isolation and Identification of Mycobacteria." <u>Biochemical Testing.</u> (2012) Jose C. Jimenez-Lopez (Ed.), InTech, <u>Biochemical Isolation and Identification of Mycobacteria</u> and Lévy-Frébault, V. V. and F. Portaels. "Proposed Minimal Standards for the Genus *Mycobacterium* and for Description of New Slowly Growing *Mycobacterium* Species." <u>Int. J. Syst. Bacteriol.</u> 42 (1992): 315-323. PubMed: 1581193.

BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Fax: 703-365-2898

<sup>&</sup>lt;sup>2</sup>All mycobacteria produce niacin but only *M. tuberculosis* accumulates it, resulting in a positive test for *M. tuberculosis*.

<sup>&</sup>lt;sup>3</sup>Also consistent with other members of the *M. tuberculosis* complex.



# **Certificate of Analysis for NR-30658**

/Sonia Bjorum Brower/ Sonia Bjorum Brower

**BEI Resources** 

www.beiresources.org

30 OCT 2023

Technical Manager or designee, ATCC Federal Solutions

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

E-mail: contact@beiresources.org Tel: 800-359-7370

Fax: 703-365-2898