

***Coccidioides immitis*, Strain 2010**

Catalog No. NR-48935

Product Description: *Coccidioides immitis* (*C. immitis*), strain 2010 was isolated in the 1990s from a human in San Joaquin Valley, California, USA.

Lot¹: 70003094

Manufacturing Date: 04APR2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ²	Report results	Circular, convex, undulate, membranous, rough and white (Figure 1)
Genotypic Analysis³ Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 460 base pairs) Sequencing of 28S rRNA gene (~ 610 base pairs)	≥ 99% sequence identity to <i>C. immitis</i> type strain (GenBank: AATX01000460.1) ≥ 99% sequence identity to <i>C. immitis</i> type strain (GenBank: AATX01000460.1)	99.6% sequence identity to <i>C. immitis</i> type strain (GenBank: AATX01000460.1) ⁴ 99.8% sequence identity to <i>C. immitis</i> type strain (GenBank: AATX01000460.1) ⁴
Purity⁵ Nutrient broth with 0.1% Yeast Extract at 25°C Nutrient broth with 0.1% Yeast Extract at 37°C	No bacterial growth No bacterial growth	Non-turbid growth Non-turbid growth
Viability (post-freeze)²	Growth	Growth

¹NR-48935 was produced by inoculation of the deposited material into Emmon's Modified Sabouraud Dextrose broth. Broth inoculum was added to Emmon's Modified Sabouraud Dextrose kolles, which were grown for 12 days at 37°C in an aerobic atmosphere with 5% CO₂. The agar growth was harvested from the kolles with 20% glycerol to produce this lot.

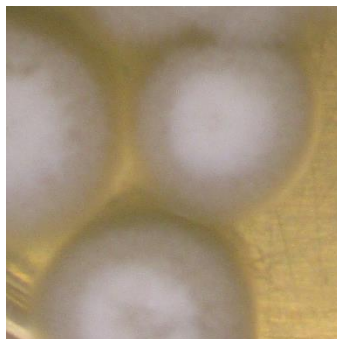
²8 days at 37°C in an aerobic atmosphere with 5% CO₂ on Emmon's Modified Sabouraud Dextrose agar

³*C. immitis* and *C. posadasii* cannot be identified to the species level based on ITS and large subunit rRNA sequences (Tintelnot, K., et al. "Taxonomic and Diagnostic Markers for Identification of *Coccidioides immitis* and *Coccidioides posadasii*." *Med. Mycol.* 45 (2007): 385-393. PubMed: 17654264.).

⁴Also consistent with *C. posadasii*

⁵Clarity of broth was determined by visual inspection after 8 days in an aerobic atmosphere with 5% CO₂.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

15 NOV 2018

Program 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.

