

***Coccidioides immitis*, Strain 3476**

Catalog No. NR-48939

Product Description: *Coccidioides immitis* (*C. immitis*), strain 3476 was isolated in the 1990s from a human in Michoacán, Mexico.

Lot¹: 70003099

Manufacturing Date: 12SEP2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology ²	Report results	Circular, convex, entire, membranous, dull 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 (~ 500 base pairs) Sequencing of 28S rRNA gene (620 base pairs)	≥ 99% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1) ≥ 99% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1)	99.4% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1) ⁴ 99.7% sequence identity to <i>C. immitis</i> , strain 2394 (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-48939 was produced by inoculation of the deposited material into Emmons' Modified Sabouraud Dextrose broth. Broth inoculum was added to Emmons' Modified Sabouraud Dextrose agar kolles, which were grown for 12 days at 37°C in an aerobic atmosphere with 5% CO₂. The agar growth was harvested with 20% glycerol to produce this lot.

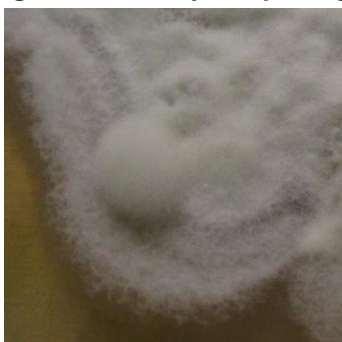
²21 days at 37°C in an aerobic atmosphere with 5% CO₂ on Emmons' Modified Sabouraud Dextrose agar

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 21 days in an aerobic atmosphere with 5% CO₂.

Figure 1: Colony Morphology



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