

***Coccidioides immitis*, Strain 2395**

Catalog No. NR-48938

Product Description: *Coccidioides immitis* (*C. immitis*), strain 2395 was isolated in the 1990s from a human in San Diego, California, USA.

Lot¹: 64242547

Manufacturing Date: 18JAN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ² Colony morphology ²	Report results Report results	Spherule or endospore observed Circular, raised, undulate, 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 (~ 460 base pairs) Sequencing of 28S rRNA gene (~ 610 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 99.8% 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-48938 was produced by inoculation of the deposited material into Emmon's Modified Sabouraud Dextrose broth. Broth was added to Emmon's Modified Sabouraud Dextrose kolles and grown for 6 days at 37°C in an aerobic atmosphere with 5% CO₂. Cells were harvested from the kolles with 20% glycerol to produce this lot.

²7 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 3 days in an aerobic atmosphere with 5% CO₂.

Figure 1: Colony Morphology



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03 AUG 2018

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