

***Coccidioides immitis*, Strain 2394**

**Catalog No. NR-48937**

**Product Description:** *Coccidioides immitis* (*C. immitis*), strain 2394 was isolated from a human in the 1990s in San Diego, California, USA.

**Lot<sup>1</sup>: 70003097**

**Manufacturing Date: 04APR2017**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Colony morphology <sup>2</sup>	Report results	Irregular, convex, undulate, dull and white (Figure 1)
<b>Genotypic Analysis</b> Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 510 base pairs)	≥ 99% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1)	100% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1) and <i>C. immitis</i> strain CBS 120936, ITS region from TYPE material (GenBank: NR_157446.1) <sup>3</sup>
Sequencing of 28S rRNA gene (~ 610 base pairs)	≥ 99% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1)	100% sequence identity to <i>C. immitis</i> , strain 2394 (GenBank: AATX01000460.1)
<b>Purity<sup>4</sup></b> 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
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

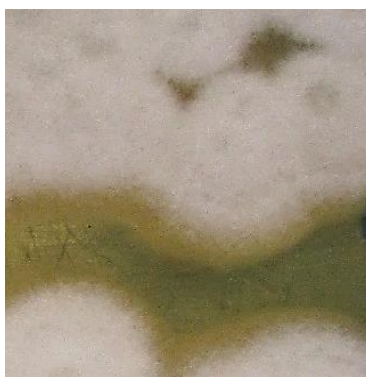
<sup>1</sup>NR-48937 was produced by inoculation of the deposited material into Emmon's Modified Sabouraud Dextrose broth. Broth inoculum was added to Emmon's Modified Sabouraud Dextrose kolles, which were grown for 12 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. The agar growth was harvested from the kolles with 20% glycerol to produce this lot.

<sup>2</sup>6 days at 37°C in an aerobic atmosphere on Emmon's Modified Sabouraud Dextrose agar

<sup>3</sup>*C. immitis*, strain 2394 was clearly differentiated from *C. posadasii* based on SNPs in the ITS1 and ITS2 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.

<sup>4</sup>Clarity of broth was determined by visual inspection after 6 days in an aerobic atmosphere with 5% CO<sub>2</sub>.

**Figure 1: Colony Morphology**



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