

Coccidioides immitis, Strain RS
Catalog No. NR-48942
Product Description: *Coccidioides immitis* (*C. immitis*), strain RS was isolated from a human in California, USA.

Lot¹: 64242543
Manufacturing Date: 18JAN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ² Colony morphology ²	Report results Report results	Pseudohyphae observed (Figure 1) Irregular, raised, undulate, membranous, dull and white (Figure 2)
Genotypic Analysis³ Sequencing of partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 26S rRNA (~ 530 base pairs) Sequencing of 28S rRNA gene (~ 610 base pairs)	≥ 99% sequence identity to <i>C. immitis</i> , strain RS (GenBank: AAEC03000009.1) ≥ 99% sequence identity to <i>C. immitis</i> , strain RS (GenBank: AAEC03000009.1)	100% sequence identity to <i>C. immitis</i> , strain RS (GenBank: AAEC03000009.1) ⁴ 100% sequence identity to <i>C. immitis</i> , strain RS (GenBank: AAEC03000009.1) 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

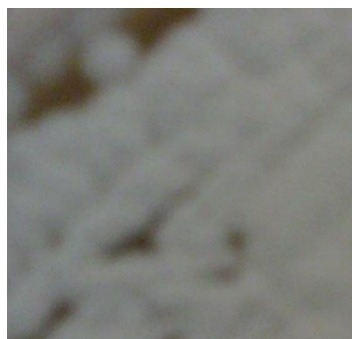
¹NR-48942 was produced by inoculation of the deposited material into Emmons' Modified Sabouraud Dextrose broth. Broth inoculum was added to Emmons' Modified Sabouraud Dextrose agar kolles, which were grown for 6 days at 37°C in an aerobic atmosphere with 5% CO₂. The agar growth was harvested with 20% glycerol to produce this lot.

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

Figure 1: Cellular Morphology

Figure 2: Colony Morphology


/Heather Couch/**Heather Couch****23 AUG 2018**

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