

Sporothrix globosa, Isolate 2

Catalog No. NR-41303

Product Description: *Sporothrix globosa* (*S. globosa*), isolate 2 was obtained from human skin tissue in China in May 2011.

Lot¹: 61697588

Manufacturing Date: 30MAY2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Morphology ² Raffinose assimilation ³	Report results Negative	Ovoid with dark brown pigmentation, undifferentiated hyphae (Figure 1) Negative
Genotypic Analysis Partial sequencing of internal transcribed spacer (ITS) 1, 5.8S ribosomal RNA (rRNA) gene, and ITS 2 (~ 470 base pairs) Sequencing of beta-tubulin gene (~ 380 base pairs)	Consistent with <i>S. globosa</i> Consistent with <i>S. globosa</i>	Consistent with <i>S. globosa</i> ⁴ Consistent with <i>S. globosa</i> ⁵
Purity⁶ Potato Dextrose agar at 25°C 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 No bacterial growth	No bacterial growth No bacterial growth No bacterial growth
Viability (post-freeze)²	Growth	Growth

¹NR-41303 was produced by growth of the deposited material on Yeast Mold agar in an aerobic atmosphere at 25°C. An inoculum from the plate was added to Yeast Mold broth and grown 7 days at 25°C in an aerobic atmosphere to produce this lot.

²3 days at 25°C in an aerobic atmosphere on Potato Dextrose agar

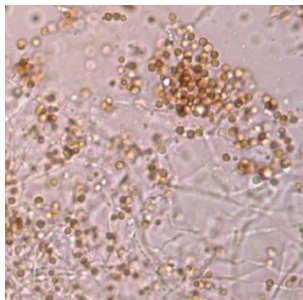
³5 days at 25°C in an aerobic atmosphere. Nocardia Purple broth with raffinose differentiates *S. globosa* from *S. schenckii* based on the ability of *S. schenckii* isolates to utilize raffinose as a sole carbon source, resulting in a yellow color. *S. globosa* isolates will remain purple. [Marimon, R., et al. "Sporothrix basiliensis, *S. globosa*, and *S. mexicana*, Three New *Sporothrix* Species of Clinical Interest." *J. Clin. Microbiol.* 45 (2007): 3198-3206. PubMed: 17687013.]. Positive control tube (ATCC® 20282™) was yellow.

⁴100% identical to *S. globosa*, type strain CBS 120340 (GenBank: KP017084.1)

⁵99.2% identical to *S. globosa*, strain CBS 129724 (GenBank: KC113238.1), type strain sequence is not available, also consistent with *S. schenckii*

⁶Clarity of broth and lack of growth on agar was determined by visual inspection after 3 days at 25°C and 37°C in an aerobic atmosphere.

Figure 1: Morphology



Date: 14 DEC 2015

Signature:

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