

Sporothrix globosa, Isolate 6

Catalog No. NR-41307

Product Description: *Sporothrix globosa* (*S. globosa*), isolate 6 was obtained from human skin tissue in China in February 2012.

Lot¹: 61697592

Manufacturing Date: 13JUN2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Morphology ² Raffinose assimilation ³	Report results Negative	Ellipsoidal with brown pigmentation, hyaline, guttulate hyphae (Figure 1) Negative
Genotypic Analysis Partial sequencing of 28S ribosomal RNA (rRNA) gene (~ 580 base pairs) Sequencing of beta-tubulin gene (~ 370 base pairs) Sequencing of calmodulin gene (~ 510 base pairs)	Consistent with <i>S. globosa</i> 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 Consistent with <i>S. globosa</i> ⁶
Purity⁷ Modified Sabouraud Dextrose agar at 25°C 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 No bacterial growth No bacterial growth
Viability (post-freeze)²	Growth	Growth

¹NR-41307 was produced by growth of the deposited material on Potato Dextrose agar and Emmons' Modified Sabouraud agar in an aerobic atmosphere at 25°C for 21 days to produce this lot. Mycelial plugs from both plates were added to 10% glycerol.

²16 days at 25°C in an aerobic atmosphere on Emmons' Modified Sabouraud 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*, strain MYA-4913 (GenBank: KC294291), type strain sequence was not available.

⁵98.6% identical to *S. globosa*, strain CBS 129724 (GenBank: KC113238.1), type strain sequence was not available, also consistent with *S. schenckii*

⁶100% identical to *S. globosa*, type strain CBS 120340 (GenBank: KP101459.1).

⁷Clarity of broth and lack of growth on agar was determined by visual inspection after 17 days at 25°C and 37°C in an aerobic atmosphere.

Figure 1: Morphology



Date: 24 FEB 2016

Signature:



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