Certificate of Analysis for NR-44361

Sporothrix schenckii, Strain 4526

Catalog No. NR-44361

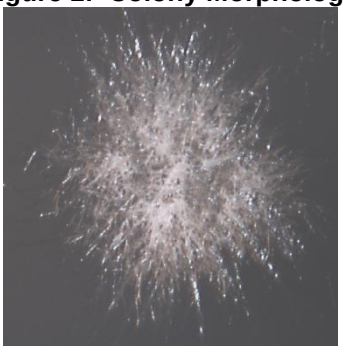
Product Description: *Sporothrix schenckii (S. schenckii),* strain 4526 was isolated in 1977 from a lymphocutaneous lesion of an adult female with sporotrichosis in Venezuela.

Lot[1]: 62123412 **Manufacturing Date: 19NOV2013**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Colony morphology[2]	Report results	Dull, flat, mycelial colony with filiaform edge (Figure 1)
Cellular morphology	Report results	Filamentous
Raffinose assimilation[3]	Positive	Positive
Genotypic Analysis		
Sequencing of partial 18S rRNA gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 440 base pairs)	≥ 99% sequence identity to *S. schenckii*, stain CBS 359.36^T (GenBank: KP017100.1)	99.5% sequence identity to *S. schenckii*, stain CBS 359.36^T (GenBank: KP017100.1)
Sequencing of 28S rRNA gene (~ 490 base pairs)	≥ 99% sequence identity to *S. schenckii*, stain CBS 359.36^T (GenBank: KX590890.1)	100% sequence identity to *S. schenckii*, stain CBS 359.36^T (GenBank: KX590890.1)
Sequencing of beta-tubulin gene (~ 260 base pairs)	Consistent with *S. schenckii*	Consistent with *S. schenckii*[4]
Purity[5]		
Nutrient broth with 0.1% Yeast Extract at 25°C	No bacterial growth	No bacterial growth
Nutrient broth with 0.1% Yeast Extract at 37°C	No bacterial growth	No bacterial growth
Viability (post-freeze)[2]	Growth	Growth

[1]NR-44361 was produced by inoculation of the deposited material on Modified Sabouraud Dextrose agar in an aerobic atmosphere at 25°C. After several passages to confirm purity, an inoculum was added to a fresh Modified Sabouraud Dextrose agar plate and grown 8 days at 25°C in an aerobic atmosphere, to produce this lot.
[2]3 days at 25°C in an aerobic atmosphere on Modified Sabouraud Dextrose agar
[3]12 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.
[4]No type strain sequence available.
[5]Clarity of broth was determined by visual inspection after 3 days in an aerobic atmosphere.

Figure 1: Colony Morphology



BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

Certificate of Analysis for NR-44361

Date: 07 DEC 2016 **Signature:** 

BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898