

## *Sporothrix globosa*, Isolate 9

Catalog No. NR-41310

**For research use only. Not for human use.**

### Contributor:

Qiang Qiang Zhang, Professor, Huashan Hospital, Fudan University, Shanghai, China

### Manufacturer:

BEI Resources

### Product Description:

Classification: *Ophiostomataceae*, *Sporothrix*

Species: *Sporothrix globosa* (This item was deposited as *Sporothrix schenckii* but was reclassified as *Sporothrix globosa*).<sup>1,2</sup>

Isolate: 9

Original Source: *Sporothrix globosa* (*S. globosa*), isolate 9 was obtained from human wound discharge in China in March 2011.<sup>2</sup>

The fungal genus *Sporothrix* includes about sixty species, with global distribution.<sup>3,4</sup> *S. globosa* is an ascomycetous dimorphic organism, which is one of the species of *Sporothrix* responsible for the subcutaneous mycosis sporotrichosis.<sup>5,6</sup> *S. globosa* is moderately virulent compared to other species within the *S. schenckii* complex. The *S. schenckii* complex is composed of the following species: *S. albicans*, *S. brasiliensis*, *S. globosa*, *S. luriei*, *S. mexicana* and *S. schenckii*.<sup>7,8</sup>

### Material Provided:

Each vial of NR-41310 contains approximately 0.5 mL of spores and mycelia in 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

### Packaging/Storage:

NR-41310 was packaged aseptically in cryovials and is provided frozen on dry ice. The product should be stored at -60°C or colder. For long term storage, cryogenic temperature (-130°C or colder), preferably in the vapor phase of a liquid nitrogen freezer, is recommended.

### Growth Conditions:

#### Media:

Yeast Mold broth or Nutrient broth or equivalent  
Yeast Mold agar or Nutrient agar or equivalent

#### Incubation:

Temperature: 25°C to 30°C  
Atmosphere: Aerobic

### Propagation:

1. Keep vial frozen until ready for use; thaw rapidly in a water bath at 25°C to 30°C. Typically, this takes less than 5 minutes.
2. Immediately after thawing, inoculate an agar plate with approximately 40 µL of thawed culture or transfer the entire thawed aliquot into a single tube of broth.
3. Incubate the plate or tube at 25°C to 30°C for 2 to 4 days.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Sporothrix globosa*, Isolate 9, NR-41310."

### Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories, 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

### Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

### Use Restrictions:

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or

its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

1. 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. Pub Med: 17687013.
2. Zhang, Q. Q., Personal Communication.
3. Teixeira, M. M., et al. "Comparative Genomics of the Major Fungal Agents of Human and Animal Sporotrichosis: *Sporothrix schenckii* and *Sporothrix brasiliensis*." BMC Genomics 15 (2014): 943. PubMed: 25351875.
4. De Oliveira, M. M., et al. "Rapid Identification of *Sporothrix* Species by T3B Fingerprinting." J. Clin. Microbiol. 50 (2012): 2159-2162. PubMed: 22403427.
5. Oliveira, M. M., et al. "Molecular Identification of the *Sporothrix schenckii* Complex." Rev. Iberoam Micol. 31 (2014): 2-6. PubMed: 24270070.
6. Oliveira, M. M., et al. "Molecular Identification of *Sporothrix* Species Involved in the First Familial Outbreak of Sporotrichosis in the State of Espírito Santo, Southeastern Brazil." Mem. Inst. Oswaldo Cruz 108 (2013): 936-938. PubMed: 24141957.
7. Fernandes, G. F., et al. "Characterization of Virulence Profile, Protein Secretion and Immunogenicity of Different *Sporothrix schenckii sensu stricto* Isolates Compared with *Sporothrix globosa* and *Sporothrix brasiliensis* Species." Virulence 4 (2013): 241-249. PubMed: 23324498.
8. López-Romero, E., et al. "*Sporothrix schenckii* Complex and Sporotrichosis, an Emerging Health Problem." Future Microbiol. 6 (2011): 85-102. PubMed: 21162638.

ATCC® is a trademark of the American Type Culture Collection.

