



***Streptoverticillium verticillium* subsp. *tsukushiense* (Arai) Locci and Schofield**

21633™

Description

Strain designation: MK-19 [JCM 10109]

Deposited As: *Streptomyces verticillus* subsp. *tsukushiensis* Arai

Type strain: Yes; type strain of *Streptoverticillium verticillium* subsp. *tsukushiense*

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Storage Conditions

Product format: Freeze-dried

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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BSL 1

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ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Temperature: 26°C

Handling Procedures

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- 1. Open vial according to enclosed instructions.**
 - 2. Using a single tube of #1877 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or glass pipet. Rehydrate the pellet.**
 - 3. Transfer this aliquot back into the broth tube. Mix well.**
 - 4. Use several drops of the suspension to inoculate a second tube of broth, one or two slants and/or a plate.**
 - 5. Incubate all tubes and plate at 26°C for 14 days.**
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Notes

On #196 agar, aerial mycelium is white and substrate mycelium is brown. Straight to flexed (rectiflexibiles) spore chains also occur.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptovercillium verticillium* subsp. *tsukushiense* (Arai) Locci and Schofield (ATCC 21633)

References

References and other information relating to this material are available at www.atcc.org.

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