Streptomyces avermitilis (ex Burg et al.) Kim and Goodfellow

31267™

Description

Streptomyces avermitilis strain NRRL 8165 [JCM 5070, MA-4680, NCIMB 12804] is a bacterial type strain that was isolated from soil in Itoh City, Japan. This whole-genome sequenced culture produces C-076 and derivatives, including avermectins.

Strain designation: NRRL 8165 [JCM 5070, MA-4680, NCIMB 12804]

Deposited As: *Streptomyces avermitilis*

Type strain: Yes

Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

Patent number:

4,378,353

Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

Intended Use

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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.

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

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Medium:

ATCC Medium 184: Glucose asparagine agar

Temperature: 26°C

Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #184 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #184 agar slant and/or plate.
5. Incubate all tubes and plate at 28°C for 7 to 14 days until aerial mycelium appear.

Notes

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptomyces avermitilis* (ex Burg et al.) Kim and Goodfellow (ATCC 31267)

References

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

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