



Streptomyces showdoensis **Nishimura et al.**

15227™

Description

Strain designation: C-224**Deposited As:** *Streptomyces showdoensis* Nishimura et al.**Type strain:** No

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Patent number:

3,316,149

Technical information: ATCC Product Experience 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

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

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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

Medium:

ATCC Medium 1877: ISP Medium 1

ATCC Medium 0196: Yeast malt extract medium ISP #2

Temperature: 26°C

Atmosphere: Aerobic

Handling Procedures

1. Open vial.
 2. From a single tube of #1877 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette and use to rehydrate the pellet.
 3. Use 0.1 ml of this suspension to inoculate #196 slants and 0.1 ml to inoculate #196 plates.
 4. Incubate tubes and plates at 26°C, under aerobic conditions, for 14 days.
 5. After 14 days of incubation, wash cells from the slant and transfer this broth to a new slant and plate. Incubate another 14 days under aerobic conditions. This second transfer and incubation is necessary for complete removal of the cryoprotectant, which can inhibit growth.
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Notes

After 14 days incubation, mature aerial mycelia are white to gray on #196.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Streptomyces showdoensis* Nishimura et al. (ATCC 15227)

References

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

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Product Sheet

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