



***Streptomyces cinnamoneus* (Benedict et al.) Witt and Stackebrandt**

11874™

Description

Strain designation: 3664 [ATCC 23897, CBS 683.68, DPDU 0093, DSM 40005, ETH 13355, IFO 12852, IPV 1776, IPV 2013, IPV 936, ISP 5005, JCM 4152, JCM 4633, NCIB 8851, NRRL B-1285, PSA 85, RIA 1102]

Deposited As: *Streptomyces cinnamomeus forma cinnamomeus* (sic) Pridham et al.

Type strain: Yes

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.

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

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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 0196: Yeast malt extract medium ISP #2

Temperature: 26°C

Handling Procedures

- 1. Open vial according to the enclosed instructions.**
- 2. Using a single tube of ISP #1 broth (5 to 6 ml), withdraw approximately 0.5 ml to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.**

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- 3. Aseptically transfer this aliquot back into the broth tube and mix well.**
 - 4. Use several drops of the cell suspension to inoculate a second tube of broth, a slant and/or a plate.**
 - 5. Incubate all tubes and plate at 26°C.**
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Notes

On #196 plates colonies appear white and peaked with slightly irregular margins and wrinkled centers. Cells appear as straight, flexuous hooks, and spirals with tiny spores. Vegetative growth is yellow to brown. Aerial growth is white, dry, and abundant.

This strain is cited to produce carbomycin derivatives [magnamycin derivatives], leucomycin derivatives, and niddamycin derivatives (1).

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 cinnamoneus* (Benedict et al.) Witt and Stackebrandt (ATCC 11874)

References

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

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