Micromonospora purpureochromogenes (Waksman and Curtis) Luedemann

27007™

Description

Strain designation: [IMRU 3343]
Deposited As: *Micromonospora purpureochromogenes* (Waksman and Curtis) Luedemann
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 or national agencies.

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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

Medium:
ATCC Medium 172: N-Z amine with soluble starch and glucose
Temperature: 26°C

Handling Procedures

1. Open vial according to enclosed instructions.

2. From a single tube of #172 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 entire pellet.

3. Aseptically transfer the rehydrated pellet back into the broth tube. Mix well.

4. Use several drops of this suspension to inoculate an additional broth tube, one or two #172 agar slants and/or a plate.

5. Incubate the tubes and plate at 26°C for 7 to 14 days.

Notes

Colonies on #172 agar are orange with an undulate margin becoming pulvinate and then folded or wrinkled with time. Dark brown pigmentation develops as sporulation occurs. Spores are oval and non-motile. Cells exhibit branching hyphae. Aerial mycelia are absent.

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: *Micromonospora purpureochromogenes* (Waksman and Curtis) Luedemann (ATCC 27007)

References

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

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Revision

This information on this document was last updated on 2025-02-23

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