



# *Micromonospora carbonacea* Luedemann and Brodsky

27114™

## Description

**Strain designation:** NRRL 2972 [DSM 43168, JCM 3139, KCC A-0139]

**Deposited As:** *Micromonospora carbonacea* subsp. *carbonacea* Luedemann and Brodsky

**Type strain:** Yes

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## Storage Conditions

**Product format:** Freeze-dried

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## 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

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 submerged 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 submerged in liquid nitrogen.

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### **Certificate of Analysis**

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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### **Growth Conditions**

**Medium:**

ATCC Medium 172: N-Z amine with soluble starch and glucose

**Temperature:** 26°C

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### **Handling Procedures**

1. Open vial according to enclosed instructions.
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. 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.

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## Notes

Circular orange colonies become pulvinate and then folded or wrinkled with time. Dark brown pigmentation develops as sporulation occurs. Spores occur singly and are circular and non-motile.

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Micromonospora carbonacea* Luedemann and Brodsky (ATCC 27114)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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