



# *Pedomicrobium manganicum* Aristovskaya

33121™

## Description

**Strain designation:** E-211 [DSM 1545, IFAM E-1129]

**Deposited As:** *Pedomicrobium manganicum* Aristovskaya

**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 36: Caulobacter medium

**Temperature:** 30°C

**Atmosphere:** Aerobic

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## Handling Procedures

- 1. Open vial according to enclosed instructions.**
- 2. Using a single tube of #36 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate pellet.**
- 3. Aseptically transfer this aliquot back into the broth tube. Mix well.**

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**4. Use 1.0 ml of the suspension to inoculate one slant tube. A biphasic slant is the preferred method of propagation. It is best to obtain good growth in the tubes before inoculation of a plate.**

5. Incubate at 30°C.

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### **Notes**

Prolonged incubation at 30°C is needed for this organism to grow. It takes approximately two to three weeks for visible growth to occur. Cells are ovoid, occurring singly or in clusters. Fine hairs protrude from some cells.

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### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Pedomicrobium manganicum* Aristovskaya (ATCC 33121)

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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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### **Revision**

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