



Product Sheet

Cupriavidus metallidurans (ATCC® 43123™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Cupriavidus metallidurans* (ATCC® 43123)

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Manassas, VA 20108 USA
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Patent Number:

5,786,162

Technical Information

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Description

Deposited Name: *Alcaligenes eutrophus* Davis

Designation/Strain: CH34 [CIP 107179, DSM 2839, LMG 1195]

Depositor: M Mergeay

Product Description: Formerly *Wautersia metallidurans*. Genome sequencing strain. Type strain. Resistant to zinc, cobalt, nickel, mercury, cadmium, and produces a zinc-binding protein. Purified genomic DNA of this strain is available as ATCC® 43123D-5™.

Propagation

Medium

ATCC® Medium 3: Nutrient agar or nutrient broth

Growth Conditions

Temperature: 30°C

Atmosphere: Aerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #3 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #3 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 24 to 48 hours.

Isolation

Sedimentation pond in a zinc factory

Notes

For autotrophic growth, use ATCC® Medium #1246 (Mineral Medium for Hydrogen Bacteria) under a gas mixture of 60% H₂, 10% CO₂, 25% N₂ and 5% O₂.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes



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for Health.

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Patent Deposits not produced or characterized by ATCC are warranted for viability only. If you believe the culture you have received is nonviable, contact Technical Services by phone at 8006386597 or 7033652700 or by email at tech@atcc.org. Or you may contact your local distributor.

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