ATCC

Product Sheet

Dechloromonas agitata (ATCC® 700666™)

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: *Dechloromonas agitata* (ATCC® 700666™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: CKB [DSM 13637]
Deposited Name: *Dechloromonas agitata* Achenbach et al.
Product Description: Type strain. Produces chlorite dismutase; reduces: perchlorate/chlorate.

Propagation

Medium
ATCC® Medium 2106: Dechlorimonas agitatus medium

Growth Conditions
Temperature: 30°C
Atmosphere: Anaerobic gas mixture, 80% N_2-10% CO_2-10% H_2

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 mL of #2106 from a single test tube (5 to 6 mL) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate tubes and plate under an anaerobic atmosphere at 30°C.

ANAEROBIC CONDITIONS:
Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber.
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber.
- Loose screw caps on test tubes in an activated anaerobic gas pack jar.
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Cells are short active rods found in pairs or singly. Growth in #2106 broth is indicated by turbidity. This strain will grow on Nutrient Broth (BD 234000) and Agar (BD 213000), but it is recommended to use #2106 under anaerobic conditions to retain the unique characteristics of the strain. Use gas or gas packs that have hydrogen (10% to 20%) present because this organism requires it for growth.

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 for Health.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

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