



Product Sheet

Marinobacter hydrocarbonoclasticus **(ATCC® 49840™)**

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: *Marinobacter hydrocarbonoclasticus* (ATCC® 49840™)

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: SP.17

Deposited Name: *Marinobacter hydrocarbonoclasticus* Gauthier et al.

Product Description: Type strain.

Propagation

Medium

ATCC® Medium 2: Marine agar 2216 or marine broth 2216

Growth Conditions

Temperature: 30°C

Atmosphere: Aerobic

Propagation Procedure

1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Rehydrate the entire pellet with approximately 0.5 mL of #2 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #2 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #2 plate and/or #2 agar slant.
4. Incubate at 30°C for 48 to 72 hours.

Notes

Two colony types are observed on #2 plates at 48 hours.

When cultivated in SM nitrate and SM nitrite medium, *M. hydrocarbonoclasticus* is able to reduce nitrate and nitrite.

Denitrification was not detected using different sources of nitrate media.

This strain is cited to degrade hydrocarbons and eicosane (Fernandez-Linares *et al.* Syst Appl Microbiol 19: 113-121, 1996; Gauthier *et al.* Int J Syst Bacteriol 42: 568-576, 1992).

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.

ATCC Warranty

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC



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hydrocarbonoclasticus
(ATCC® 49840™)


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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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