



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**

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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](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto: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](http://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](http://www.atcc.org).

## **References**

References and other information relating to this product are available online at [www.atcc.org](http://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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## **Disclaimers**

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



Product Sheet

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

is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.


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](http://www.atcc.org)

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

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