Hartaetosiga gracilis (Kent) Carr, Richter and Nitsche

50454™

Description

Deposited As: *Codosiga gracilis* (Kent) de Saedeleer
Type strain: No

Storage Conditions

Product format: Frozen
Storage conditions: -80°C or colder for 1 week, vapor phase of liquid nitrogen for long-term storage

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.

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 submersed 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 submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Medium:
ATCC Medium 1361: Marine flagellate medium
ATCC Medium 1525: Seawater Sonneborn's Paramecium Medium
ATCC Medium 1405: HESNW medium
Temperature: 20-25°C
Atmosphere: Aerobic
Culture system: Xenic
Incubation: Grown with mixed bacteria

Handling Procedures

Storage and Culture Initation

Frozen ampules packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampoules may be stored at or below -70°C for approximately one week. **Do not under any circumstance store frozen ampules at refrigerator freezer temperatures (generally -20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. To thaw a frozen ampule, place it in a 35°C water bath such that the lip of the ampule remains above the water line. Thawing time is approximately 2 to 3 minutes. Do not agitate the ampule. Do not leave ampule in water bath after it is thawed.
2. Add the thawed contents to a T-25 flask containing either 10 mL of ATCC medium 1361 with 1-2 autoclaved rice grains, or 10mL ATCC Medium 1525 and ATCC Medium 1405, combined in equal parts and bacterized with *Klebsiella pneumoniae* subsp. *pneumoniae* (ATCC® 700831™) or *Enterobacter aerogenes* (ATCC® 13048™).
3. Incubate with the cap tightly sealed at 20-25°C.

Culture maintenance:

Subculture at peak density (approximately every 10-14d) to a fresh T-25 flask of fresh medium in the following manner:

1. Vigorously agitate the flask (or scrape the flask bottom using a sterile cell scraper) and aseptically transfer 0.5-1.0 mL to a T-25 tissue culture flask containing 10 mL complete medium. If an organism cannot be easily suspended using agitation alone, rub the surface of the flask with a sterile cotton swab, cell scraper, or a rubber policeman before agitation.
2. Incubate with the cap tightly sealed at 20-25°C.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Hartaetosiga gracilis* (Kent) Carr, Richter and Nitsche (ATCC 50454)

References

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

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Revision

This information on this document was last updated on 2021-05-19

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