ATCC

Product Sheet

Roseospira marina (ATCC® BAA-447™)

Please read this FIRST

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: *Roseospira marina* (ATCC® BAA-447™)

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: CE2105 [DSM 15113]
Deposited Name: *Roseospira marina*

Propagation

Medium
ATCC® Medium 2331: Roseospira medium

Growth Conditions
Temperature: 26.0°C
Atmosphere: Anaerobic under light

Propagation Procedure
1. Prepare test tube(s) of medium for inoculation by:
a) Exchanging the gas in the head space for 100% N_2.
b) Adding Na-acetate to a final concentration of 2mM.
2. Open vial according to enclosed instructions.
3. With an anaerobic (*see below*) 1.0 ml syringe with draw 0.5 ml of pre-reduced ATCC Medium #2331 and rehydrate the entire pellet. Draw the rehydrated culture into the syringe and inject it into the pre-reduced tube of #2331 medium. A portion (0.5 ml) of the culture should be transferred to a second tube of pre-reduced medium #2331. All steps should be carried out using good anaerobic techniques. Mix well.
4. Use several drops of the suspension to inoculate a non-selective plate and incubate at 26ºC in the dark.
5. Incubate the tubes and plate at 26ºC for 7 to 10 days hours.
ANAEROBIC CONDITIONS:
A. Balch tubes (available from Bellco Glass, Vineland, NJ; are specially designed for anaerobic work and use an aluminum crimp cap to hold a rubber stopper in place. Needles can easily be inserted through the stopper, and the tubes can be pressurized. Alternatively, serum vials may be used, or screw cap tubes with butyl rubber stoppers, in the latter case the stopper may be removed and the tube placed under a cannula system that dispenses sterile, oxygen free gas for addition of reducing agents or inoculation.
C. Syringes can be made anaerobic by one of two methods.

Notes

There should be no growth on the non-selective medium incubated aerobically in the dark.
When grown anaerobically under light the culture will exhibit a red pigmentation.
The cells are spiral to vibroid-shaped, motile and stain Gram negative.
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

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC 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 strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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