Ectothiorhodospira haloalkaliphila Imhoff and Suling

51935™

Description

Strain designation: BN9903 [Imhoff 51/7]
Deposited As: *Ectothiorhodospira haloalkaliphila* Imhoff and Suling
Type strain: Yes

Storage Conditions

Product format: Frozen

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 1991: Modified halophilic Ectothiorhodospira medium
Temperature: 30°C
Incubation: Under a tungsten lamp

Handling Procedures

1. Open vial according to enclosed instructions. This organism can tolerate brief exposure to oxygen, so it may be opened under aerobic conditions. Aseptically transfer 0.5 ml of medium #1991 to the vial and rehydrate the pellet. Transfer this suspension back into a single, small tube (filled to capacity) of #1991 broth. Plate 0.1 ml of the culture on any non-selective media and incubate aerobically in the dark at 30ºC. Seal the tube with a screw cap, and incubate at 30ºC (room temperature)

under a tungsten lamp.

3. After four to seven days, growth is evident by turbidity. When examined microscopically, the cells appear as vibroid rods, in singles and pairs, some small chains. Once growth has been detected, the culture should be transferred to fresh broth. Subsequent growth is detected within 48 to 72 hours.

4. For best results the medium should be pre-reduced, this can best be accomplished by :

a) Steaming the medium then filling the test tube to capacity and sealing with a screw cap while the medium is still hot.

b) Adding 5 to 6 drops of cysteine (3% stock concentration) or sodium sulfide (1.5% stock concentration) to each 5 to 6 ml of medium used. After the reducing agent (cysteine or sodium sulfide) has been added fill the test tube to capacity and seal with a screw cap. Let the test tube sit at room temperature for 30 minutes before inoculating.

5. Note that once growth has been established, the culture can be transferred without pre-reducing the medium by using a 10 to 20% inoculation.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Ectothiorhodospira haloalkaliphila* Imhoff and Suling (ATCC 51935)

References

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

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30

days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

Disclaimers

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. Any proposed commercial use is prohibited without a license from ATCC.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except

as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure 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 material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at www.atcc.org.

Copyright and Trademark Information

Revision

This information on this document was last updated on 2024-10-24

Contact Information

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor