Azospira oryzae Reinhold-Hurek and Hurek emend. Tan and Reinhold-Hurek

BAA-592™

Description

Strain designation: KJ
Deposited As: *Dechlorosoma* sp.
Type strain: No

Storage Conditions

Product format: Freeze-dried

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.

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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 3: Nutrient agar or nutrient broth
Temperature: 26°C
Atmosphere: 80% N_2, 20% CO_2

Handling Procedures

1. Open vial according to enclosed instructions.

2. Under anaerobic conditions, withdraw 0.5 ml of #2361 from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.

3. Aseptically transfer this aliquot back into the broth tube. Additional tubes may be

inoculated with 0.5 ml each from the suspension. A slant and plate of #2361 may also be inoculated with 0.2 ml.

4. Incubate tubes, slants and plates under an anaerobic atmosphere at 26ºC.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

· Use of an anaerobic gas chamber, or

· Placement of test tubes under a gassing cannula system

hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

· Loose screw caps on test tubes in anaerobic chamber,

· Loose screw caps on test tubes in an activated anaerobic

gas pack jar, or

· Use of sterile butyl rubber stoppers on test tubes so that

an anaerobic gas headspace is retained.

Notes

This organism is a facultative anaerobe, thus it will reduce the medium #2361 after inoculation. Therefore the medium does not need to be reduced prior to being inoculated; however the gas in the head space of the anaerobic test tube should be exchanged for 80% N_2 20% CO_2.

This organism will grow on Nutrient Agar (BD 213000) under aerobic conditions. Colonies are pinpoint, circular, and translucent. Cells appear as small thin curved rods that occur singly and in pairs.

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Additional information on this culture is available on the ATCC web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Azospira oryzae* Reinhold-Hurek and Hurek emend. Tan and Reinhold-Hurek (ATCC BAA-592)

References

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

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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