



Product Sheet

# *Azospira oryzae* (ATCC® BAA-33™)

Please read this **FIRST**



## 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: *Azospira oryzae* (ATCC® BAA-33™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
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800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
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## Description

**Designation:** PS [DSM 13638]

**Deposited Name:** *Dechlorisoma suillum* Achenbach et al.

## Propagation

### Medium

ATCC® Medium 2215: Dechlorisoma medium

### Growth Conditions

**Temperature:** 35.0°C

**Atmosphere:** Facultative anaerobe

### Propagation Procedure

1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.
2. If needed exchange the gas in the test tube for 80% N<sub>2</sub> 20% CO<sub>2</sub>. Since this culture is able to grow aerobically there is no need to reduce the medium prior to inoculating the Balch tube.
3. After the Balch tube is ready to be inoculated open the freeze-dried vial according to the enclosed instructions.
4. Using a 1.0 ml syringe tipped with 22 gauge needle, withdraw 0.5 ml of the medium from the Balch tube and use this to dissolve the cell pellet at the bottom of the freeze dried vial. Draw the cell suspension from the vial and transfer it to the broth tube and incubate at 35°C. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 35°C.
5. Growth should be detected in the broth within 72 to 96 hours. Growth should be detected on the aerobic plate in 48 to 72 hours.

## Notes

This organism is a facultative anaerobe, thus it will reduce the medium #2215 after inoculation. Therefore the medium does not need to be reduced prior to being inoculated; however the gas in the head space of the Balch tube should be exchanged for 80% N<sub>2</sub> 20% CO<sub>2</sub>

\*This organism will grow on Nutrient Agar under aerobic conditions. Colonies are slightly raised smooth white and the edges are slightly irregular.

Cells appear as small thin curved rods that occur singly and in pairs. No motility has been detected.

## 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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