



## Product Sheet

# *Thermoanaerobacter uzonensis* (ATCC® BAA- 1464™)

### 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: *Thermoanaerobacter uzonensis* (ATCC® BAA-1464™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

Designation: JW/IW010

### Propagation

#### Medium

ATCC® Medium 2682: *Thermoanaerobacter uzonii* Medium

#### Growth Conditions

**Temperature:** 60.0°C

**Atmosphere:** Anaerobic

#### Propagation Procedure

2. If needed, exchange the gas in the test tube for 80% N<sub>2</sub> 20% CO<sub>2</sub> or 100% N<sub>2</sub>.
3. If the medium is pink add 0.2 ml Co-enzyme M (5% stock solution) per 10 ml of medium. Let the medium sit at room temperature for 30 to 40 minutes until the medium becomes colorless before inoculating.
4. When the medium is ready to inoculate, open the vial according to enclosed instructions.
5. For inoculation, use an anaerobic 1.0 ml syringe (*see below*) tipped with 22 gauge needle. Withdraw 0.5 ml of #2682 broth and use this to rehydrate the entire freeze dried pellet. Immediately place the rehydrated vial under a stream of sterile oxygen-free gas.
6. Using the same syringe, transfer the rehydrated cell suspension back to the tube of #2682 broth. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 30°C. Use 0.1 ml of the inoculated culture to inoculate a nonselective aerobic broth. Transfer 0.5 ml of the culture to an additional tube of #2682 broth. Incubate the broth tubes at 60°C.
7. Growth should be detected in the #2682 broth within 24 to 48 hours. There should be no growth detected on the aerobic plate or in the aerobic broth.

### Notes

Cells are gram-negative motile rods that occur in pairs and chains. Minimal growth on ATCC® media #260 blood agar occurs with colonies being circular, transparent, convex and glistening.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

### 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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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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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