



# ***Ferrithrix thermotolerans*** **Johnson et al. 2009**

**BAA-1645™**

Product Sheet

## **Description**

**Strain designation:** Y005 [DSM 19514]

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Frozen

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## **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.

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## **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

BAA-1645

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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 2700: Heterotrophic Basal salts Solution, 50X

**Temperature:** 42°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Prepare the medium for inoculation by adding the appropriate components at the appropriate concentration. See media instructions.
3. Transfer the entire contents of the thawed vial into the primary tube. Transfer 0.5 ml of the primary tube to one or two secondary tubes. Inoculate non-selective aerobic plates.
4. Growth should be detected in the #2700 broth within 2 to 3 days. There should be no growth detected on the non-selective aerobic plates. Once growth has been

BAA-1645

detected, the culture can then be inoculated into 250 ml flasks containing 50 ml of completed medium.

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## Notes

Cells are single and paired rods of varying length. No motility was detected.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Ferrithrix thermotolerans* Johnson et al. 2009 (ATCC BAA-1645)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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BAA-1645

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