



Product Sheet

# *Thermobifida fusca* (ATCC® BAA-629™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## 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: *Thermobifida fusca* (ATCC® BAA-629™)

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:** YX

**Deposited Name:** *Thermobifida fusca* (McCarthy and Cross) Zhang et al.

## Propagation

### Medium

ATCC® Medium 741: TYG medium

ATCC® Medium 2382: Hagerdahl medium

### Growth Conditions

**Temperature:** 50°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Open vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Rehydrate the entire pellet with approximately 0.5 mL of #741 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #741 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #2382 plate and/or #2382 agar slant.
4. Incubate at 50°C for 3 to 5 days.

## Notes

Organism will also grow in #2382 broth but requires shaking. #741 agar can also be used.

Aerial mycelium on #741 agar are cream to white and the substrate is cream. Cells are non-motile, long branched rectus.

Cells will clump together and grow as puff balls.

The medium should not appear cloudy except for the non-soluble carbon source.

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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## ***Thermobifida fusca*** **(ATCC® BAA-629™)**

the misidentification or misrepresentation of such materials.

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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