



***Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield**

700107™

Description

Strain designation: AM24

Deposited As: *Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield

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.

***Methylobacterium mesophilicum* (Austin and Goodfellow)**
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700107

Product Sheet

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 18: Trypticase Soy Agar/Broth

Temperature: 26°C

Atmosphere: Aerobic

Incubation: With shaking

Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #18 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.

***Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield**

700107

3. Aseptically transfer this aliquot back into the broth tube. Mix well.
 4. Use several drops of the suspension to inoculate a #18 agar slant and/or plate.
 5. Incubate all tubes with shaking and plate at 26°C for 48 hours.
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Notes

*We are unable to verify the identity as *Methylobacterium mesophilicum*. Growth with methanol as sole carbon source as reported by depositor could not be replicated. Reactions that would be atypical for *Methylobacterium mesophilicum* as described in Bergey's Manual include positive results for gelatinase, urease, nitrate reduction, aesculin hydrolysis, casein hydrolysis, and growth on fructose, maltose, mannitol, sorbitol, sucrose, adonitol, betaine, and L-proline as sole carbon sources.

On #18 plates, colonies are entire, glistening, circular, smooth, convex, and mucoid. Cells are motile rods.

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: *Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield (ATCC 700107)

References

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

***Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield**

700107

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***Methylobacterium mesophilicum* (Austin and Goodfellow) Green and Bousfield**

700107

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