



# *Acidomonas methanolica* (Uhlig et al.) Urakami et al.

43581™

## Description

*Acidomonas methanolica* strain IMET 10945 is a bacterium that was isolated in Germany from septic methanol yeast process. This strain is cited to oxidize formaldehyde.

**Strain designation:** IMET 10945 [MB58, TK 0705]

**Deposited As:** *Acetobacter methanolicus* Uhlig et al.

**Type strain:** Yes

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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 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 1562: Standard agar with methanol and yeast extract

**Temperature:** 30°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open vial.
2. Using a single tube of #1562 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.

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4. Use several drops of the suspension to inoculate a #1562 agar slant and/or plate.
  5. Incubate the tubes and plate at 30°C for 48 hours. Additional incubation may be necessary for growth on solid media.
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## Notes

This strain, on initial growth, forms very small pinpoint colonies. After five to six days of incubation, a secondary colony appears that is larger, has a glistening appearance, and is more yellow in color. This larger colony becomes more prevalent with subsequent transfers. If either colony type is picked, both forms will develop again.

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Acidomonas methanolica* (Uhlig et al.) Urakami et al. (ATCC 43581)

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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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