



Product Sheet

# *Zymomonas mobilis* (ATCC® 31822™)

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: *Zymomonas mobilis* (ATCC® 31822™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
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Fax: 703.365.2750  
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Or contact your local distributor

## Description

Designation: ZM401

Deposited Name: *Zymomonas mobilis* (Lindner) Kluyver and van Niel

## Propagation

### Medium

ATCC® Medium 1341: RM medium

### Growth Conditions

Temperature: 30.0°C

### Propagation Procedure

#### 1. Open vial according to enclosed instructions.

- Under anaerobic conditions, withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
- Aseptically transfer this aliquot back into the broth. Additional tubes may be inoculated with 0.5 ml each from the suspension. Also, 0.1 ml may be inoculated onto a slant. Streak several blood plates to check for colonial morphology and purity.
- Incubate tubes under an anaerobic atmosphere at 30°C. Incubate one agar plate anaerobically for colony formation and one aerobically for bacterial contamination check.

#### ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system connected to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in anaerobic chamber,
- Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

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## Notes

Colonies on #1341 agar are entire, glistening, circular, smooth, raised, and opaque. This strain is a facultative anaerobe.

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

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## 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.



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Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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