



Product Sheet

Zymomonas mobilis subsp. *mobilis* (ATCC® 53717™)

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* subsp. *mobilis* (ATCC® 53717™)

Description

Designation: 17-500x [RZ1E (10988)]

Deposited Name: *Zymomonas mobilis* subsp. *mobilis* (Lindner) Kluver and van Niel

Propagation

Medium

ATCC® Medium 948: *Zymomonas* medium

Growth Conditions

Temperature: 30.0°C

Propagation Procedure

1. Open vial according to enclosed instructions.

2. 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.

3. Aseptically transfer this aliquot back into the broth. Additional tubes of broth may be inoculated with 0.5 ml each from the suspension, and 0.1 ml may be inoculated onto a slant. Streak several blood plates to check for colonial morphology and purity.

4. Incubate tubes under an anaerobic atmosphere at 30°C. Incubate one agar plate anaerobically for colony formation, and one aerobically as a purity check.

5. Within 24 to 48 hours, growth should be evident by turbidity in the broth tube. No growth should occur on agar plates incubated aerobically.

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 hooked 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.

Notes

Additional information on this culture is available on the ATCC web site at www.atcc.org.

References

References and other information relating to this product are available online at 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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