



Product Sheet

# Moorella thermoacetica (ATCC® 31490™)

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: *Moorella thermoacetica* (ATCC® 31490™)

## Description

**Designation:** 99-78-22

**Deposited Name:** *Clostridium thermoaceticum* Fontaine et al.

## Propagation

### Medium

ATCC® Medium 1190: Thermoanaerobacter ethanolicus medium

### Growth Conditions

**Temperature:** 60.0°C

**Atmosphere:** Anaerobic

### 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 may be inoculated with 0.5 ml each from the suspension. Streak a blood to check for purity.

4. Incubate tubes under an anaerobic atmosphere at 60°C. Incubate the blood plate aerobically for aerobic contamination check.

5. Within 3-4 days, growth should be evident by turbidity in the broth. No growth should occur on the 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

Cells are non-motile Gram-positive rods.

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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## Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet,

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