



Moorella perchloratireducens

BAA-1531™

Product Sheet

Description

Strain designation: An10

Deposited As: *Moorella* sp.

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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.

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 2697: Modified Spormusa Medium

Temperature: 55°C

Atmosphere: 80% N₂, 20% CO₂

Handling Procedures

1. Sterilize the tops of the all test tubes by spraying them with 70% ethanol and then flaming the tops.
2. If needed, exchange the gas in each test tube for 80% N₂ 20% CO₂ (do not over-pressurize; keep the pressure below 5 PSI).
3. Thaw the frozen vial at room temperature under a gentle stream of oxygen-free gas.

4. For inoculation, use a 1.0 ml syringe tipped with 22-gauge needle; withdraw the cell suspension from the vial and transfer it to the broth tube. Transfer 0.5 ml of the culture to an additional tube of #2697 broth. Plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 37 °C. Use 0.1 ml of the inoculated culture to inoculate a nonselective aerobic broth. Incubate the broth tubes at 55°C.
 5. Growth should be detected in the #2697 broth within 2 to 3 days. There should be no growth detected on the aerobic plate or in the aerobic broth.
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Notes

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: *Moorella perchloratireducens* (ATCC BAA-1531)

References

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

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