



Product Sheet

Anaerovorax odorimutans (ATCC® BAA-160™)

Please read this FIRST



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
1

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: *Anaerovorax odorimutans* (ATCC® BAA-160™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: NorPut

Deposited Name: *Anaerovorax odorimutans* Matthies et al.

Propagation

Medium

ATCC® Medium 1555: Desulfobulbus medium

Growth Conditions

Temperature: 30°C

Atmosphere: Anaerobic gas mixture, 80% N₂-20% CO₂

Propagation Procedure

1. Sterilize the rubber stoppers of the broth tubes by spraying with 70% ethanol and then flaming the tops.
2. If needed, exchange the gas in the test tubes for an anaerobic atmosphere.
3. Add a few drops of putrescine to each broth tube for the culture to use as a substrate. If the medium is pink, also add 0.1 mL reducing agent (1.5% Na₂S₉H₂O, stock solution) per tube. Let the medium sit at room temperature for 10 to 20 minutes until the resazurin becomes colorless before inoculating.
4. When the broth is ready to inoculate, open the vial thaw according to the enclosed instructions.
5. For inoculation, use a 1 mL syringe tipped with 22 gauge needle. Draw approximately 0.5 mL of broth into the syringe and rehydrate the cell pellet. Then inoculate the cell suspension back into the broth and incubate at 30°C. Secondary tubes can be inoculated by transferring 0.5 mL of the primary tube. Plate 0.1 mL of the inoculated culture onto a nonselective medium and incubate aerobically at 30°C.
6. Growth should be detected in the #1555 broth after 1 week. There should be no growth detected on the aerobic plate.

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 or.
- Exchanging the headspace in stoppered culture tubes for the appropriate 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 Pak jar, or
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Microscopic examination of the culture shows plump rods in chains.

This culture only grows in broth. Growth can take up to one week.

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions.

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.

ATCC Warranty

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be



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effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

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

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