



Product Sheet

# *Selenomonas sp.* (ATCC® 27093™)

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: *Selenomonas sp.* (ATCC® 27093™)

## Description

**Designation:** NIAH 4501 [JCM 6581]

**Deposited Name:** *Selenomonas suis* Azuma et al.

## Propagation

### Medium

ATCC® Medium 602: E medium for Anaerobes

### Growth Conditions

**Temperature:** 37.0°C

**Atmosphere:** Under a gas mixture of 97% CO<sub>2</sub>, 3% H<sub>2</sub>

### Propagation Procedure

1. Sterilize the top of the Balch tube by spraying it with 70% ethanol and then flaming the top.
  2. If needed exchange the gas in the test tube for 97% CO<sub>2</sub> 3% H<sub>2</sub>.
  3. If the medium is pink (see discussion about resazurin) add 0.1 ml of reducing agent (3% cysteine, stock solution) per each 10 ml of medium. Let the medium sit at room temperature for 30 minutes, until the resazurin becomes colorless, before inoculating.
1. Under anaerobic conditions, withdraw 0.5 ml of #602 from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
  2. Aseptically transfer this aliquot back into the broth tube. Additional tubes may be inoculated with 0.5 ml each from the suspension. A slant of #260 may also be inoculated with 0.2 ml.
  3. Incubate tubes under an anaerobic atmosphere at 37°C. Incubate blood plates anaerobically for colony formation and one aerobically for aerobic 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 the 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

Within 24 to 48 hours, growth should occur in the broth. There should be light turbidity with solid chunks appearing throughout the broth. On blood plates incubated anaerobically, colonies are entire, small, smooth and glistening. No growth should occur on the aerobic blood agar plate.

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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American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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### **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](http://www.atcc.org)

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

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American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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