



***Selenomonas* sp.**

27093™

Description

Strain designation: NIAH 4501 [JCM 6581]

Deposited As: *Selenomonas suis* Azuma et al.

Type strain: No

Storage Conditions

Product format: Freeze-dried

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 602: E medium for Anaerobes

Temperature: 37°C

Atmosphere: 97% CO₂, 3% H₂

Handling Procedures

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% CO₂ 3% H₂.
 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.
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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.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Selenomonas* sp. (ATCC 27093)

References

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

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Product Sheet

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