



Product Sheet

Fusobacterium varium (ATCC® 8501™)

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: *Fusobacterium varium* (ATCC® 8501™)

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: [NCTC 10560]

Deposited Name: *Bacteroides varius* Eggerth and Gagnon

Product Description: Type strain. Indicator strain lysed by D. Bradley's phage strain 277 (carried by lysogenic *Fusobacterium varium* ATCC® 27725™).

Propagation

Medium

ATCC® Medium 1490: Modified chopped meat medium

Growth Conditions

Temperature: 37°C

Atmosphere: Anaerobic gas mixture, 80% N₂-10% CO₂-10% H₂

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 mL of recommended broth from a single test tube (5 to 6 mL) and rehydrate the vial contents.
3. Aseptically transfer this aliquot back into the broth tube. A slant and a pre-reduced blood plate may also be inoculated with 0.1 mL each of the cell suspension. An aerobic blood plate may also be streaked to check for purity.
4. Incubate tubes and plate under anaerobic conditions at 37°C. Incubate a blood plate aerobically at 37°C.
5. In 24 to 48 hours, growth is evident by turbidity in the broth.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber.
- 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.
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

On agar surfaces, colonies are spreading, pulvinate, glistening, and irregular. No growth should occur on the blood agar plate incubated aerobically.

Several Genbank deposits are available for this strain:

1. Nucleotide (GenBank) : AF342853 *Fusobacterium varium* strain ATCC 8501 16S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, complete sequence; and 23S ribosomal RNA gene, partial sequence.
2. Nucleotide (GenBank) : AF342854 *Fusobacterium varium* strain ATCC 8501 16S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, complete sequence; and 23S ribosomal RNA gene, partial sequence.
3. Nucleotide (GenBank) : M58686 *Fusobacterium varium* small subunit rRNA sequence

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions.

Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

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.



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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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