



Product Sheet

Peptostreptococcus anaerobius (ATCC®) 27337™

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: *Peptostreptococcus anaerobius* (ATCC® 27337™)

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: VPI 4330 [4372, NCTC 11460]
Deposited Name: *Peptostreptococcus anaerobius* (Natvig) Kluyver and van Niel
Product Description: Type strain. Used in media testing and quality control.

Propagation

Medium

ATCC® Medium 2107: Modified Reinforced Clostridial Agar/Broth Medium (pre-reduced)
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

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 approximately 0.5 to 1.0 mL of #2107 from a single test tube (5 to 6 mL) with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well. Additional tubes of broth may be inoculated with 0.5 mL each from the suspension, and 0.1 mL may be inoculated onto a slant. Streak several blood plates for colony morphology and purity.
4. Incubate the tubes and plate under anaerobic conditions at 37°C for 24 to 48 hours. Incubate the purity plate aerobically at 37°C. Turbid growth is evident in the broth at 24 to 48 hours.

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.

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

ATCC recommends Anaerobe Systems PRAS Brucella Blood Plates (AS-111 or AS-141). This strain has a proline requirement for glucose utilization.

Several genbank accessions are available for this strain:

1. Nucleotide (GenBank) : AX110233 Sequence 966 from Patent WO0123604.
2. Nucleotide (GenBank) : AX111472 Sequence 2205 from Patent WO0123604.
3. Nucleotide (GenBank) : L04168 *Peptostreptococcus anaerobius* 16S ribosomal RNA gene, complete sequence.
4. Nucleotide (GenBank) : Z28984 *P.anaerobius* (clone LK16) 16S rRNA/23S rRNA intergenic DNA.
5. Nucleotide (GenBank) : Z29059 *P.anaerobius* (clone LK51) 16S rRNA/23S rRNA intergenic DNA.
6. Nucleotide (GenBank) : Z29060 *P.anaerobius* (clone LK54) 16S rRNA/23S rRNA intergenic DNA.

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



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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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