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
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,
- 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 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:
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.

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

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**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™)