



Product Sheet

Ruminococcus bromii (ATCC® 27255™)

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: *Ruminococcus bromii* (ATCC® 27255™)

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 6883
Deposited Name: *Ruminococcus bromii* Moore et al.
Product Description: Type strain

Propagation

Growth Conditions
Temperature: 37°C
Atmosphere: Anaerobic

Propagation Procedure

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Under anaerobic conditions aseptically transfer the entire contents to a 5-6 mL tube of Anaerobe Systems PYG broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes. Best practice dictates the use of pre-reduced media.
3. Use several drops of the primary broth tube to inoculate a Brucella Blood plate.
4. Incubate in an anaerobic atmosphere at 37°C for 48 to 72 hours. Incubate one agar plate aerobically at 37°C to check for contamination.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by the 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 an 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

Grows best when using Anaerobe Systems PYG broth.

This culture is sensitive to oxygen when initially rehydrated; therefore steps should be taken to avoid exposure to oxygen. When the culture exhibits good growth it will remain viable for up to 1 week if stored at 4°C under anaerobic conditions.

When examined microscopically, the cells appear as cocci generally in chains. Motility was not detected. No growth occurred on the non-selective media.

The following sequences of this organism is available in GenBank:

1. AX110950 Sequence 1683 from Patent WO0123604.
2. L76600 *Ruminococcus bromii* small subunit ribosomal RNA (16S rDNA) gene.

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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longer valid.

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

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

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