Ruminococcus bromii Moore et al.

27255™

Description

Ruminococcus bromii strain VPI 6883 is a whole-genome sequenced bacterial type strain that was isolated from human feces.

Strain designation: VPI 6883
Deposited As: *Ruminococcus bromii* Moore et al.
Type strain: Yes

Storage Conditions

Product format: Frozen
Storage conditions: -80°C or colder

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:
Anaerobe Systems Brucella Blood Agar Plates (BRU) (AS-111 or AS-141)
Temperature: 37°C
Atmosphere: Anaerobic

Handling Procedures

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

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Ruminococcus bromii* Moore et al. (ATCC 27255)

References

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

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Revision

This information on this document was last updated on 2025-10-20

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