



***Faecalibacterium prausnitzii* (Hauduroy et al.) Duncan et al.**

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Description

Faecalibacterium prausnitzii strain VPI C13-20-A was isolated from human feces. This strain is whole-genome sequenced.

Strain designation: VPI C13-20-A [ATCC 29739]

Deposited As: *Fusobacterium prausnitzii* (Hauduroy et al.) Moore and Holdeman

Type strain: No

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

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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:

ATCC Medium 1703: Chopped meat carbohydrates with rumen fluid

Temperature: 37°C

Atmosphere: 97% CO₂, 3% H₂

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 #1703 broth. Additional test tubes can be inoculated by transferring

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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 #1703 plate and/or #1703 agar slant.
4. Incubate in an anaerobic atmosphere at 37°C for 24 to 48 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

This organism is very sensitive to oxygen. It also requires rumen fluid for growth. All media must be completely reduced. Any oxygen exposure will cause the culture to become nonviable.

This item will only grow on #1703 agar. While very scant growth may be observed on anaerobic blood plates (brucella blood or TSA with 5% sheep blood) after extended incubation, it is not recommended. No growth should occur on the aerobic blood plates.

Always use freshly prepared prereduced media or prereduced 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 has not been met and oxidation has occurred. Medium should be discarded.

Additional information on this culture is available on the ATCC

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® 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: *Faecalibacterium prausnitzii* (Hauduroy et al.) Duncan et al. (ATCC 27766)

References

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

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Revision

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This information on this document was last updated on 2023-03-01

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