



Prevotella melaninogenica **(Oliver and Wherry)** **Shah and Collins emend.** **Wu et al.**

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Description

Prevotella melaninogenica strain VPI 2381 [B282, JCM 6325, VPI 4196] was isolated from sputum. This whole-genome sequenced bacterial type strain can be used in media testing.

Strain designation: VPI 2381 [B282, JCM 6325, VPI 4196]

Deposited As: *Bacteroides melaninogenicus* subsp. *melaninogenicus* (Oliver and Wherry) Holdeman and Moore

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 2

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*

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(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:

ATCC Medium 2863: Modified Chopped Meat Medium w/ 1 mg/L DHNA

Temperature: 37°C

Atmosphere: Anaerobic

Handling Procedures

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1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 mL of #2863 from a single test tube (5 to 6 mL) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. A brucella blood plate and a secondary broth may be inoculated. An aerobic blood plate may also be streaked to check for purity.
4. Incubate tubes and one plate under anaerobic conditions at 37°C. Incubate one blood plate aerobically at 37°C.
5. Within 24 to 48 hours, growth is evident by turbidity in the broth and colonies on an agar plate. No growth should occur on the blood agar plate incubated aerobically.

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 Plate (AS-111 or AS-141).

If grown on Anaerobic Brain Heart Infusion agar with 5% Laked (hemolyzed) Blood and supplemented with Vitamin K and Hemin, the black pigment production will be stronger and seen earlier.

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 a pink color in medium

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before use, or during incubation, shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

Purified genomic DNA of this strain is available as ATCC® 25845D-5™.

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: *Prevotella melaninogenica* (Oliver and Wherry) Shah and Collins emend. Wu et al. (ATCC 25845)

References

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

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