Cutibacterium acnes Scholz and Kilian

51277™

Description

Cutibacterium acnes strain VPI 9 was isolated as a culture contaminant. This strain is whole-genome sequenced and is propagated anaerobically.

Strain designation: VPI 9
Deposited As: *Propionibacterium acnes* (Gilchrist) Douglas and Gunter
Type strain: No

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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:
ATCC Medium 2107: Modified Reinforced Clostridial
Temperature: 37°C
Atmosphere: Anaerobic

Handling Procedures

1. Open vial.
2. Under anaerobic conditions, aseptically rehydrate the entire pellet with approximately 0.5 mL of #2107 broth. Aseptically transfer the entire contents to a tube containing 5-6 mL of #2107 broth. Additional broth tubes can be inoculated by transferring 0.5 mL from the primary broth tube to these

secondary broth tubes. Best practice dictates the use of pre-reduced media.
3. Use several drops from the primary broth tube to inoculate a #260 blood plate and/or #2107 agar slant.
4. Incubate under an anaerobic atmosphere at 37ºC for 48-72 hours. Incubate one agar plate aerobically at 37°C to check for contamination.
5. In 48 to 72 hours, growth should be evident by turbidity and sediment in the broth and by colonies on the agar surfaces. Only a thin film of growth in area of heaviest inoculation should occur on the plate incubated in air.

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 hooked 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

Anaerobe Systems Brucella blood plate (AS-111 or AS-141) can be used to analyze colony morphology and purity.

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: *Cutibacterium acnes* Scholz and Kilian (ATCC 51277)

References

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

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Contact Information

ATCC
10801 University Boulevard

Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor