# *Propionispira paucivorans* (Schleifer et al.) Ueki et al.

**49689™**

## Description

*Propionispira paucivorans* strain DSM 20756 is a bacterial type strain that was isolated form pitching yeast.

**Strain designation:** DSM 20756 [AA1]
**Deposited As:** *Zymophilus paucivorans* Schleifer et al.
**Type strain:** Yes

## 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 1767: Anaerobic modified MRS
**Temperature:** 30°C
**Atmosphere:** Anaerobic

## Handling Procedures

1. Open vial.
2. Under anaerobic conditions, withdraw 0.5 ml of the recommended broth from a single tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Streak several blood

agar plates to check for colonial morphology and purity.

4. Incubate tubes and one blood plate under anaerobic conditions at 30°C. Incubate second agar plate aerobically at 30°C for aerobic contamination check.
5. Within 96 hours, growth is evident by turbidity and colony formation on the plates. The growth on solid medium may take longer to appear. No growth should occur on agar plate incubated aerobically.

ANAEROBIC CONDITIONS:

- Tubes of media are placed under a gassing cannula system hooked to a source of oxygen free gas.
- All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system.
- As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace. 100% nitrogen or 80% nitrogen-10% carbon dioxide-10% hydrogen gas mixture is typically employed as the oxygen free gas source.
- Resazurin is a commonly used redox indicator that is pink when the redox potential is above -50 mv., and colorless when the redox potential is below -110 mv. i.e. highly reducing. Most strict anaerobes require this low redox potential for optimum growth.
- To obtain a fully reduced medium, it is necessary that the medium be anoxic and that a reducing agent be added. Common reducing agents are sodium sulfide, cysteine, dithiothreitol, and titanium citrate.

## Notes

Colonies on #260 plates are entire, glistening, smooth, low convex, and translucent with the center slowly becoming opaque.

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: *Propionispira paucivorans* (Schleifer et al.) Ueki et al. (ATCC 49689)

## References

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

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## Revision

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