



# Virgibacillus halodenitrificans

49067™

Product Sheet

## Description

**Deposited As:** *Bacillus halodenitrificans* Denariáz et al.

**Type strain:** Yes

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## Storage Conditions

**Product format:** Freeze-dried

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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

### Medium:

ATCC Medium 1659: YA halophile medium

**Temperature:** 30°C

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## Handling Procedures

1. Open vial according to enclosed instructions.
2. Using a single tube of #18 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a second tube of #18 broth, a slant, and/or plate.
5. Incubate all tubes and plate at 30°C for 24-48 hours.

## Notes

The #1659 medium is recommended by the depositor. However, we find that this organism does not need an elevated salt concentration. In fact, it is inhibitory, taking 7 to 10 days for colonies to appear. It will grow on ordinary media such as Tryptic Soy, Nutrient, or Brain Heart Infusion.

Colonies on #1659 agar are pinpoint, translucent, dull, and off-white. On #18 agar, the colonies appear in 24 hours. They are entire, glistening, smooth, low convex, and opaque. Density and pigmentation may vary. On Brain Heart Infusion Agar (BD 241830), the less dense colony may autolyse.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Virgibacillus halodenitrificans* (ATCC 49067)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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