



Thiomicrospira psychrophila Knittel et al.

700954™

Description

Strain designation: SVAL-D

Deposited As: *Thiomicrospira* sp.

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 submerged 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 submerged 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 2228: *Thiomicrospira pelophila* medium

Temperature: 15°C

Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Pre chill media (broth, slant and plants) and keep on ice when working with culture.
3. Rehydrate the entire pellet with approximately 0.5 mL of #2228 broth. Aseptically transfer the entire contents to a 5-6 mL tube of #2228 broth.

***Thiomicrospira psychrophila* Knittel et al.**

700954

Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.

4. Use several drops of the primary broth tube to inoculate a #2228 plate and/or #2228 agar slant.
5. Incubate at 15°C for 4 to 10 days. Growth should be evident when the broth culture changes from blue to yellow.

Notes

On #2228 agar colonies are very small (pinpoint) and white. Cells are small rods that occur singly and in pairs, and very motile. No growth should occur on the nonselective plate.

For best growth use freshly prepared media. An additional transfer may be required after initial 8 days of growth in order to achieve acceptable growth.

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: *Thiomicrospira psychrophila* Knittel et al. (ATCC 700954)

References

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

Warranty

The product is provided 'AS IS' and the viability of ATCC

***Thiomicrospira psychrophila* Knittel et al.**

700954

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