Thiomicrospira chilensis Brinkhoff et al.

700858™

Description

Strain designation: DSM 12352 [Ch-1, Chile-1]
Deposited As: *Thiomicrospira chilensis* Brinkhoff et al.
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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 2228: Thiomicrospira pelophila medium
Temperature: 30°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions.

2. Withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the vial contents.

3. Aseptically transfer this aliquot back into the broth. Additional broth tubes may be inoculated with 0.5 ml each from the suspension. A slant and a plate of the recommended medium may be inoculated with 0.2 ml each. A plate of non-selective

medium such as nutrient agar may be streaked to check for aerobic contamination.

4. Incubate tubes and plates at 20ºC.

5. In 3 to 6 days, growth is evident when the broth culture changes from blue to yellow. Growth can also be detected when the broth culture is examined by phase and by colonies on the agar surfaces. No growth should occur on the non-selective plate. Colonies are very small (pinpoint) and white. Cells are small rods that occur singly and in pairs, and are very motile.

Notes

For best growth use freshly prepared media or media which has been stored under anaerobic conditions after preparation. Perform transfers under anaerobic conditions or minimize exposure to oxygen.

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 chilensis* Brinkhoff et al. (ATCC 700858)

References

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

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Revision

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