



# *Thiomicrospira thyasirae* (Wood and Kelly) Wood and Kelly

51452™

## Description

**Strain designation:** DSM 5322 [TG2]

**Deposited As:** *Thiomicrospira thyasirae* (Wood and Kelly) Wood and Kelly

**Type strain:** Yes

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## Storage Conditions

**Product format:** Frozen

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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.

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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.

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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 1891: *Thiobacillus thyasiris* medium

**Temperature:** 30°C

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## Handling Procedures

1. Thaw frozen vial quickly in a 37°C water bath just prior to use.
2. Aseptically transfer the entire vial contents to a single test tube of #1891 broth (5 to 6 ml) using a Pasteur pipette.
3. Additional broth and slant tubes may be inoculated with 0.3 ml each from the initial broth tube. Agar plates may be inoculated using 0.1 ml of the initial broth per plate.

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4. Incubate tubes and plates at 30°C.
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## Notes

After approximately 3 days of incubation, growth is evident by turbidity in the broth and by colonies on the agar surfaces. Cells are thin Gram-negative rods. Colonies are small, circular, with a convex elevation and a fine erose margin. Colonies become opaque and are off-white in color.

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: *Thiomicrospira thyasirae* (Wood and Kelly) Wood and Kelly (ATCC 51452)

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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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