



# 51890

## 51890™

### Description

**Strain designation:** DM13 [VKM B-2030]

**Deposited As:** *Methylothermobacter multivorans* Doronina 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 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 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 3: Nutrient agar or nutrient broth

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ATCC Medium 784: AMS (ammonium mineral salts)

**Temperature:** 30°C

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### Handling Procedures

- 1. Open vial according to enclosed instructions.**
  - 2. Using a single tube of broth, aseptically transfer 0.5 ml to the vial and rehydrate the pellet.**
  - 3. Aseptically transfer this aliquot back to the broth tube and mix well. Transfer 0.1 ml to slants. Plate the rehydrated culture (0.1 ml ) onto non selective medium.**
  - 4. Incubate the culture at 30°C for 48 to 72 hours.**
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### Notes

Microscopic examination shows the cells to be small rods in singles and pairs. They stain Gram negative.

Colonies are white, rounded, and moist with entire edges (48 hours). Growth is poor on Nutrient Agar (Difco 0001).

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: 51890 (ATCC 51890)

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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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## Revision

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