

Magnetospirillum bellicum corrig.

AA-1730™

Description

Magnetospirillum bellicum strain VDY is a bacterial type strain that was isolated from Strawberry Creek at the University of California in Berkeley.

- **Strain designation** VDY
- **Type strain** Yes

Storage Conditions

- **Product format** Frozen
- **Storage conditions** -80°C or colder

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 2727: Freshwater Perchlorate Medium](#)
[ATCC Medium 18: Trypticase Soy Agar/Broth](#)
 - **Temperature** 30°C
 - **Atmosphere** Anaerobic
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Handling Procedures

- 1. Immediately prior to working with the culture place the frozen vial at room temperature to thaw.
 2. Add substrates to the medium. If the medium is more than a week old, exchange the head space for 100% N₂.
 3. Using a syringe, aseptically transfer the entire contents of the vial into a single tube (8 to 10 ml) of #2727 broth. Mix well.
 4. Use several drops of the suspension to inoculate a #18 agar slant and/or plate. Additional tubes of #2727 broth can be inoculated by transferring 0.5 ml of the original broth.
 5. Incubate the tubes and plate at 30°C for 48 to 72 hours.
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Notes

This culture must be grown under anaerobic conditions to utilize perchlorate. This culture will also grow aerobically on TSA. There are two colony sizes.

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: *Magnetospirillum bellicum* corrig. Thrash et al. (ATCC BAA-1730)

References

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

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