Ferrovum myxofaciens

BAA-2595™

Description

Type strain. The depositor states that this strain is an acidophile, autotroph, and ferrous iron-oxidizer that grows as aggregates/streamers via EPS.
Strain designation: P3G
Deposited As: *Ferrovum myxofaciens*
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 2882: Ferrovum myxofaciens Medium
Temperature: 26°C
Atmosphere: Aerobic

Handling Procedures

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #2882 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #2882 agar slant.

4. Incubate at 26°C for 2-3 weeks.
5. It may be necessary to establish growth in the primary broth before transfers are made.

Notes

The pH of the medium should be kept around pH 2.0. At higher pH levels (above pH 4), the bacteria become enshrouded with ferric iron precipitates (as the iron becomes more soluble) and the bacteria are less visible.
Alternate medium: ATCC medium #2039
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: *Ferrovum myxofaciens* (ATCC BAA-2595)

References

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

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Revision

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