Seleniivibrio woodruffii Rauschenbach et al.

BAA-2290™

Description

Seleniivibrio woodruffii strain S4 is an acidophilic bacterial type strain that is propagated under anaerobic conditions.

Strain designation: S4

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 2108: Desulfovibrio aespoeensis Medium
Temperature: 28°C
Atmosphere: Anaerobic

Handling Procedures

1. Pre-reduce #2108 broth with Na_2S.
2. Once the vial is thawed, immediately transfer the entire contents into a tube of pre-reduced #2108 broth.
3. Additional #2108 broth tubes may be inoculated with 0.5 ml each of the original suspension. An aerobic agar blood plate may also be streaked to check for purity.

4. Within 3 to 5 days, growth should be evident by faint turbidity in the broth and a black precipitate on the bottom. No growth should occur on the blood agar plate incubated aerobically.

Anaerobic conditions for transfer may be obtained by either of the following:

- Use of an anaerobic gas chamber

Anaerobic conditions for incubation may be obtained by any of the following:

- Loosen screw-caps on test tubes in anaerobic chamber;
- Loosen screw-caps on test tubes in an activated anaerobic gas pack jar,
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

Photomicrograph 1000X

This species does not form colonies on agar plates.

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: *Seleniivibrio woodruffii* Rauschenbach et al. (ATCC BAA-2290)

References

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

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