Desulfuromonas acetexigens Finster et al.

51529™

Description

Strain designation: DSM 1397 [2873]
Deposited As: *Desulfuromonas acetexigens* Finster et al.
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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 1927: Desulfuromonas acetoxidans medium (DSM 148)
Temperature: 30°C
Atmosphere: Anaerobic

Handling Procedures

1. Thaw contents of the vial under a gentle stream of oxygen-free gas.

2. Under anaerobic conditions, transfer the entire contents of the vial to a tube of the recommended broth.

3. Use several drops of the cell suspension to inoculate additional media. An aerobic blood plate may also be streaked to check for purity.

4. Incubate tubes and plate under anaerobic conditions at 30°C. Incubate blood plate aerobically at 30°C.

5. Within 48 to 72 hours, growth should be evident by turbidity in the broth. No growth should occur on the blood agar plate incubated aerobically.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:
1. Use of an anaerobic gas chamber, or
2. Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

Anaerobic conditions for incubation may be obtained by any of the following:
1. Loose screw caps on test tubes in anaerobic chamber,
2. Loose screw caps on test tubes in an activated anaerobic gas pack jar, or
3. Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

Notes

This strain may grow in ATCC Medium #1249 and/or #1250 Modified Baar's Medium with and/or without 2.5% NaCl, but growth will be poor.

Always use freshly prepared pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation shows anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.

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: *Desulfuromonas acetexigens* Finster et al. (ATCC 51529)

References

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

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