Designation: C-6 [CT1, IFO 13699, NCIB 8372]
Deposited Name: Spirillum desulfuricans
Product Description: Formerly known as Desulfovibrio desulfuricans subsp. desulfuricans. Produces D(-)-lactate dehydrogenase. This strain is recommended by ATCC® for use in the tests described in ASTM Standard Test Method E979-91 where only the taxon is specified.

Medium
ATCC® Medium 1249: Modified Baar’s medium for sulfate reducers

Growth Conditions
Temperature: 37°C
Atmosphere: Anaerobic

Propagation Procedure
1. Open the vial according to enclosed instructions.
2. Perform all steps under anaerobic conditions.
3. Aseptically transfer 0.5 mL of #1249 broth to the vial and rehydrate the pellet. Transfer the suspension back into the broth tube. Inoculate a plate of a non-selective medium such as Tryptic Soy, Nutrient, or Blood agar with 0.1 mL of the cell suspension.
4. Seal the tube with a rubber stopper and incubate anaerobically at 37°C. Incubate the plate aerobically as a purity check.
5. After one or two days, growth should be evident as indicated by turbidity throughout the broth. Once growth has been established the culture should be transferred to fresh broth every 48 hours. No growth should appear on the plate incubated aerobically.
6. This culture is very sensitive to oxygen when initially rehydrated, therefore steps should be taken to avoid exposure to oxygen. When the culture exhibits good growth it will remain viable for up to 1 week if stored at 4°C under anaerobic condition.

ANAEROBIC CONDITIONS:
Tubes of media are placed under a gassing cannula system hooked to a source of oxygen free gas. All transfers are performed while the test tubes are on the cannula system with a gentle stream of oxygen free gas flowing through the system. As the test tubes are removed from the cannula system each is sealed with butyl rubber stopper thus maintaining the anaerobic headspace.

Notes
Anaerobe Systems Brucella Blood plate (AS-111 or AS-141) can be used to analyze colony morphology and purity. Always use freshly prepared anaerobic medium. If there is any question about the anaerobic condition of the medium, the medium can be reduced with the addition of 1.5% Sodium Sulfide (2.0 mL per 100 mL of medium). Additional information on this culture is available on the ATCC® web site at www.atcc.org.

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

Biosafety Level: 1

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the
Desulfovibrio vulgaris (ATCC® 7757™)

Please read this FIRST

Storage Temp.
- Frozen: -80°C or colder
- Freeze-Dried: 2°C to 8°C
- Live Culture: See Propagation Section

Biosafety Level 1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in the following manner: Desulfovibrio vulgaris (ATCC® 7757™)

Disclaimers

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