



Desulfobulbus oralis Cross et al.

TSD-125™

Description

Desulfobulbus oralis strain HOT041 is a bacterial type strain that was isolated in 2016 from the oral cavity of a human with periodontal disease.

Strain designation: HOT041

Type strain: Yes

Type strain description: This culture provided to the ATCC type strain depository is neither produced nor characterized by ATCC. No technical information is available on this material. Refer to depositor for technical information on this strain.

Technical information: ATCC Product Experience does not have technical information on type strain deposits that are not fully characterized. Additional information can be found in the depositor's publication.

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

Temperature: 37°C

Atmosphere: Anaerobic gas mixture

Incubation: 14 days

Handling Procedures

Depositor-recommended growth conditions:

TSD-125

10 mM Lactate Baar medium supplemented with *Fusobacterium nucleatum* culture extract

10mM Lactate Baar medium per 1L

2.0 g MgSO₄

1.0 g (NH₄)₂SO₄

1.0 g Yeast Extract

1.4 mL 60% Sodium Lactate

2.0 g MOPS

2.4 g HEPES

0.4 g Cysteine-HCL

100 uL Resazurin, 5 mg/mL

Distilled water to 1000 mL

pH to 7.0-7.1 with NaOH

Degas with 100% N₂

Autoclave at 121°C for 30 minutes

After autoclaving and cooling, add

6 mL K₂HPO₄, 0.5M pH 7

Before inoculating, add 5% *Fusobacterium nucleatum* extract. The extract is prepared by growing *F. nucleatum* in anaerobic (100% N₂) BHI + 0.2% glucose until turbid (1-3 days). Cell-free-spent-supernatant (CFS) was prepared by filtering cultures through two 0.22µm Nalgene™ Rapid-Flow™ sterile filters and degassed with 100% N₂. Aliquots can be frozen at -20°C before degassing for storage.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Desulfobulbus oralis* Cross et al. (ATCC TSD-125)

References

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

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