



Thermoanaerobacter indiensis Pal

BAA-2171™

Description

Thermoanaerobacter indiensis is a thermophilic bacterium that was isolated from a hot spring in India. The depositor states that this strain contains Cr(VI) reduction activity.

Strain designation: BSB-33

Deposited As: *Thermoanaerobacter indiensis*

Type strain: No

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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 2745: Half Tryptic Soy Broth Media for *Sphaerochaeta* spp.

Temperature: 60°C

Atmosphere: Anaerobic; 80% N₂, 20% CO₂

Handling Procedures

1. Open vial.
2. Perform all steps under anaerobic conditions (see below)
3. Aseptically transfer 0.5 mL of ATCC medium #2745 to the vial and rehydrate the freeze dried pellet, immediately place the rehydrated pellet under a stream of oxygen-free sterile gas. Then transfer the suspension back into the

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tube of broth. Inoculate a plate of non-selective medium with 0.1 mL of the culture. Inoculate a non-selective tube of broth.

4. Seal the test tube with a rubber stopper and incubate anaerobically at 60°C for 24 hours.
5. The rubber stoppers should be tapped down to insure that the anaerobic conditions are maintained during incubation. Incubate the plate and aerobic broth at 37°C as a purity check.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by the use of an anaerobic gas chamber or placement of test tubes under a gassing cannula system connected to anaerobic gas.

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

- Loose screw caps on test tubes in an anaerobic chamber
- Loose 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

No growth should occur on non-selective media either aerobically or anaerobically.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Thermoanaerobacter indiensis* Pal (ATCC BAA-2171)

References

References and other information relating to this material are available at

www.atcc.org.

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