Rhodocista centenaria Kawasaki et al.

43720™

Description

Rhodocista centenaria strain Favinger/Gest is a bacterial type strain that was isolated in Wyoming from a hot spring.
Strain designation: Favinger/Gest [IAM 14193]
Deposited As: *Rhodospirillum centenum* Favinger et al.
Type strain: Yes

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 1585: Centenum medium
Temperature: 30°C
Atmosphere: Anaerobic

Handling Procedures

1. Put 6 to 8 ml of medium #1585 into a 13x100 mm screw cap test tube (small). Add 3.0% cysteine (stock concentration, 2 ml/100 ml medium) and then fill the test tube to capacity with additional medium #1585. Seal the test tube with a screw cap.
2. Let the tube sit at room temperature for 30 minutes before inoculating it with

the rehydrated culture.
3. Aseptically take 0.5 ml of the pre-reduced medium and rehydrate the entire pellet.
4. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
5. Incubate the culture at 30°C under a tungsten lamp.

Notes

When incubated aerobically in the dark on #44 (Brain Heart Infusion) plates colonies are small, rounded, smooth, and entire with red pigmentation.

When examined microscopically, the cells appear as spiral-shaped rods, in singles and pairs that are motile.

After four to seven days, growth is evident by turbidity and a deep red pigmentation throughout the broth. Once growth has been observed, the culture should be transferred to fresh broth. Subsequent growth should be detected within 48 to 72 hours.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Rhodocista centenaria* Kawasaki et al. (ATCC 43720)

References

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

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Revision

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