Nannocystis exedens Reichenbach

25965™

Description

Strain designation: Na e17
Deposited As: *Nannocystis exedens* Reichenbach
Type strain: No

Storage Conditions

Product format: Frozen

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 1443: Nannocystis agar
Temperature: 30°C

Handling Procedures

1. Thaw frozen vial and aseptically transfer vial contents to a single tube of #1443 broth (5 to 6 ml).

2. Use several drops of the suspension to inoculate a #1443 broth tube, slant, and/or plate.

3. Add a few drops of dead *Escherichia coli* cells to the broth tubes or as an overlay on the agar.

4. Incubate all tubes and plates at 30ºC in a dark incubator for 4-5 days. Incubate in a water-saturated atmosphere.

Notes

On medium #1443, with an overlay of dead *Escherichia coli* cells, colonies are irregular and spreading with an orange pigment. This organism exhibits pitting growth into the agar. Growth in broth is seen by orange flaky sediment. Agar growth occurs best when taken from an established broth culture.

For best growth in broth, the culture should be shaken at 30ºC. It is advisable to grow this organism on plates rather than slants because of the larger surface area available for the swarming growth that this organism exhibits. The swarms spread over the agar surface and often die when they reach the edge of the dish or the walls of the tubes. Make transfers from the edge of the swarms by cutting out small agar blocks at intervals of 3 to 4 weeks.

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: *Nannocystis exedens* Reichenbach (ATCC 25965)

References

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

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Revision

This information on this document was last updated on 2026-07-11

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