Thiothrix nivea (Rabenhorst) Winogradsky emend. Larkin and Shinabarger

35100™

Description

Strain designation: DSM 5205 [JP2]
Deposited As: *Thiothrix nivea* (Rabenhorst) Winogradsky emend. Larkin and Shinabarger
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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.

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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: 26°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial according to enclosed instructions. Rehydrate the freeze-dried pellet with 0.5 ml of #1954 broth, then transfer this aliquot back into the tube of broth.

2. To obtain a biphasic culture, add 0.5 to 1.0 ml of the culture to #1954 slant(s). Inoculate plates with 0.1 ml of culture.

4.

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Notes

Best growth is obtained at the broth/agar interface of the biphasic slant and should occur within 24 to 48 hours. To observe growth, examine a wet mount of the broth under phase microscopy.

Once good growth is obtained, transfer or freeze the culture. Adding an equal amount of 20% sterile glycerol to pooled broth from several biphasic slants, followed by freezing in liquid nitrogen or an "ultra-low temperature" freezer is recommended.

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: *Thiothrix nivea* (Rabenhorst) Winogradsky emend. Larkin and Shinabarger (ATCC 35100)

References

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

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Revision

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