Chloroflexus aurantiacus Pierson and Castenholz

29365™

Description

Strain designation: OK-70-fl
Deposited As: *Chloroflexus aurantiacus* Pierson and Castenholz
Type strain: No

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.

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 920: Chloroflexus medium
Temperature: 50°C
Incubation: Under 100 foot candles tungsten

Handling Procedures

Incubate test tube cultures under above conditions upon receipt. DO NOT STORE IN A REFRIGERATOR. It is helpful to incubate test tubes in a slanted position to increase gas exchange in broth and to enhance exposure to light. Transfer culture to fresh media within one week of arrival, as follows:

1. Withdraw 0.6 ml from the base of a broth culture where cells are concentrated, or harvest cells from a slant culture with 0.6 ml of #920 broth.

2. Using this aliquot, inoculate one broth tube with 0.5 ml of culture.

3. Incubate tubes at 50ºC under 1000 - 1500 LUX of light.

Notes

Good growth, indicated by increased pigmentation

(orange-reddish) in the broth, should occur after one to two weeks of incubation. Examine cells microscopically to assure that they are intact and healthy. Cells are long multicellular filaments of indefinite length. At this time additional test tubes or flasks can be inoculated. A 5% inoculum is recommended (i.e. 5 ml of culture to 100 ml fresh medium).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Chloroflexus aurantiacus* Pierson and Castenholz (ATCC 29365)

References

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

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Revision

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