Clostridium polysaccharolyticum (van Gylswyk) van Gylswyk et al.

33142™

Description

Strain designation: B
Deposited As: *Fusobacterium polysaccharolyticum* van Gylswyk
Type strain: Yes

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.

Biosafety Level 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 1560: Cellulolytic medium with rumen fluid
Temperature: 37°C
Atmosphere: Anaerobic

Handling Procedures

1. Open and rapidly thaw the vial under gas, then aseptically transfer this aliquot into a tube of #1560 broth. Make several serial dilutions since the cryoprotectant may be inhibitory to growth. Growth should appear in the

second tube. Plate 0.1 ml of the inoculated culture onto a non-selective medium to check for aerobic contamination.

2. Incubate tubes under an anaerobic atmosphere at 37ºC. Incubate the purity check plate aerobically.

3. Within 24 to 48 hours, growth should be evident by turbidity and smooth pellicle in the broth. No growth should occur on the agar plate incubated aerobically.

ANAEROBIC CONDITIONS:

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

·Use of an anaerobic gas chamber,

·Placement of test tubes under a gassing cannula system hooked to anaerobic gas, or

· Transfer from one stoppered anaerobic test tube to another using a pre-reduced syringe.

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

· Loose screw caps on test tubes in anaerobic chamber,

· Loose screw caps on test tubes in an activated anaerobic gas pack jar, or

· Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained.

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Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Clostridium polysaccharolyticum* (van Gylswyk) van Gylswyk et al. (ATCC 33142)

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 2021-05-19

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