



Product Sheet

Clostridium colinum (ATCC® 27769™)

Please read this **FIRST**



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Clostridium colinum* (ATCC® 27769™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: 72097

Deposited Name: *Clostridium colinum* Berkhoff et al.

Propagation

Medium

ATCC® Medium 1017: Chopped meat glucose medium (ATCC Medium 593) with 5.0 g glucose

Growth Conditions

Max Temperature: 37.0°C

Min Temperature: 35.0°C

Atmosphere: Anaerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1017 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #1017 agar slant and/or plate.
5. Incubate the tubes and plate at 35-37°C for 24-36 hours.

Notes

Check for growth often. This organism is remarkable for the inconspicuous way it grows and produces gas. Growth can be detected by examining the culture tubes, looking carefully for gas bubbles traveling from the bottom (sediment) towards the surface of the broth (don't shake the tube or you will lose the chance to see this). Once a culture starts growing it will complete its growth cycle in about 6-10 hours, time after which gas production will stop. Then the vegetative forms (and spores) will lyse quickly. This will be revealed by the presence of decolorized and distorted bacterial cells in the Gram stain. In order to successfully transfer cultures, TRANSFERS HAVE TO BE DONE FROM AN ACTIVELY GROWING CULTURE, BEFORE GAS PRODUCTION SUBSIDES. In summary, daily visual inspection of cultures to pinpoint optimum time for transfers are important. In spite of all precautions, broth culture can easily die out and it is recommended to keep the organism simultaneously growing on anaerobic blood agar plates or in roll tubes.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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