



***Clostridium acetobutylicum* McCoy et al. emend. Keis et al.**

43084™

Description

Strain designation: 3003

Deposited As: *Clostridium acetobutylicum* McCoy et al. emend. Keis et al.

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.

***Clostridium acetobutylicum* McCoy et al. emend. Keis et al.**

43084

Product Sheet

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 1500: Corn starch soluble medium (CSSM)

Temperature: 35°C

Atmosphere: Anaerobic

Handling Procedures

1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of #1500 broth from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth tube. Additional tubes may be inoculated with 0.5 ml each from the suspension. Streak several blood plates to

***Clostridium acetobutylicum* McCoy et al. emend. Keis et al.**

43084

check for colonial morphology and purity.

Notes

In 24 to 48 hours, growth is evident by turbidity and strong gas formation in the broth and by colonies that are 0.5 to 1.0 mm in diameter on the anaerobic agar surfaces. No growth should occur on agar plate incubated aerobically.

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: *Clostridium acetobutylicum* McCoy et al. emend. Keis et al. (ATCC 43084)

References

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

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43084

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***Clostridium acetobutylicum* McCoy et al. emend. Keis et al.**

43084

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