# *Acetivibrio cellulolyticus* Patel et al.

35928™

## Description

**Strain designation:** BAS [NRCC 2936]
**Deposited As:** *Acetivibrio cellulosolvens* Khan et al.
**Type strain:** Yes; type strain of *Acetivibrio cellulosolvens*

## 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 1191: Clostridium thermocellum medium (ATCC medium 1190) with 18.75 g filter paper substituted for the glucose
ATCC Medium 1191: Clostridium thermocellum medium (ATCC medium 1190) with 18.75 g filter paper substituted for the glucose
ATCC Medium 1734: Cellulolytic medium with rumen fluid
**Temperature:** 35-37°C
**Atmosphere:** Anaerobic

## Handling Procedures

1. Open vial according to enclosed instructions.

2. Under anaerobic conditions, withdraw 0.5 ml of recommended broth from a single

test tube (5 to 6 ml) and rehydrate the vial contents.

3. Aseptically transfer this aliquot back into the broth tube. An agar slant may be inoculated with 0.1 ml of the cell suspension. An aerobic blood plate may be streaked to check for purity.

4. Incubate tubes under anaerobic conditions at 37ºC. Incubate blood plate aerobically at 37ºC.

5. Within 3 to 6 days, growth may be observed by wet mount. Cells are sturdy rods mostly in zigzag chains. No growth should occur on the blood agar plate incubated aerobically.

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Acetivibrio cellulolyticus* Patel et al. (ATCC 35928)

## 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 2025-04-17

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