Clostridium xylanolyticum (ATCC® 49623™)

### Deposited Name
Clostridium xylanolyticum Rogers and Baecker emend. Chamkha et al.

### Medium
ATCC® Medium 1766: Xylan medium

### Growth Conditions
**Temperature:** 35.0°C  
**Atmosphere:** Anaerobic

### Propagation Procedure
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of #1766 from a single test tube (5 to 6 ml) and rehydrate the 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. A slant of #1766 may also be inoculated with 0.2 ml. Streak several blood plates to check for colonial morphology and purity.
4. Incubate tubes under an anaerobic atmosphere at 37°C. Incubate one agar plate anaerobically for colony formation, and one aerobically for aerobic contamination check.

**ANAEROBIC CONDITIONS:**
- Use of an anaerobic gas chamber, or
- Placement of test tubes under a gassing cannula system hooked to anaerobic gas.

**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.

### Notes
Within 24-48 hours, growth should be evident by turbidity and gas in the broth. Colonies on anaerobic plates are raised and opaque, with spreading edges. No growth should occur on agar plates incubated aerobically.

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

### References
References and other information relating to this product are available online at [www.atcc.org](http://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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