ATCC

Product Sheet

Arcobacter butzleri (ATCC® 49616™)

Please read this FIRST

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

Biosafety Level
2

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: *Arcobacter butzleri* (ATCC® 49616™)

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: CDC D2686 [LMG 10828]
Deposited Name: *Campylobacter butzleri* Kiehlbauch et al.
Product Description: Type strain

Propagation

Medium
ATCC® Medium 1115: Brucella albimi broth
ATCC® Medium 177: Fluid thioglycollate medium
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions
Temperature: 37°C
Atmosphere: Microaerophilic, 3-5% O_2-10% CO_2

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1115 or #177 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 #260 agar slant and/or plate.
5. Incubate the tubes and plate at 37°C, under microaerophilic conditions, for 24 to 48 hours. Use an anaerobe jar with an active catalyst and a microaerophilic gas generator pack, or other acceptable method. Incubate slant with cap loose.

Notes

Colonies on #260 agar are entire, glistening, circular, smooth, and raised when grown under microaerophilic conditions.
This item is aerotolerant. When grown aerobically, two phenotypes may be observed. They appear as follows: 1) large, entire, glistening, irregular, smooth, and flat, and 2) small, entire, glistening, circular, smooth, and raised.
These two phenotypes have had the 16S sequenced independently and can both be confirmed as *A. butzleri*.
Fluid Thioglycollate may be incubated aerobically.
Storage at liquid nitrogen temperatures, with 10% sterile glycerol as the cryoprotectant, is recommended for long-term preservation.
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: 2

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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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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