



Product Sheet

***Alicyclobacillus*  
*acidocaldarius* subsp.  
*acidocaldarius* (ATCC®  
27009™)**

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: *Alicyclobacillus acidocaldarius* subsp. *acidocaldarius* (ATCC® 27009™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

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Fax: 703.365.2750  
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Or contact your local distributor

**Description**

**Designation:** 104-1A [CCRC 14685, CCUG 28521, CIP 106131, DSM 446, HAMBI 2071, HAMBI 2073, IFO 15652, JCM 5260, KCTC 1825, LMG 7119, NCCB 89167, NCIMB 11725, NRRL B-14509]  
**Deposited Name:** *Bacillus acidocaldarius* Darland and Brock

**Propagation**

**Medium**  
ATCC® Medium 573: Bacillus medium

**Growth Conditions**  
**Temperature:** 55.0°C

**Propagation Procedure**

1. Open vial according to enclosed instructions.
2. Using a single tube of #573 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 second tube of broth, a slant, and/or plate.
5. Incubate all tubes and plate in a moist can or jar (to prevent dehydration) at 55°C for 48 hours.

**Notes**

On #573 plates, colonies predominantly appear circular, entire, glistening, slightly raised, translucent and white/yellow in color. Some colonies are larger and more opaque.

\*The subspecies name *Alicyclobacillus acidocaldarius* subsp. *acidocaldarius* (Darland and Brock 1971) Wisotzkey et al. 1992 is automatically created by the valid publication of *Alicyclobacillus acidocaldarius* subsp. *rittmannii* Nicolaus et al. 2002 [Rule 40d].

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.

**ATCC Warranty**

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**Disclaimers**

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the misidentification or misrepresentation of such materials.

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](http://www.atcc.org)

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

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