ATCC

Product Sheet

Halothiobacillus neapolitanus (ATCC® 23638™)

Please read this FIRST

Biosafety Level
1

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: *Halothiobacillus neapolitanus* (ATCC® 23638™)

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: 1M [ICPB 4330]
Deposited Name: *Thiobacillus neapolitanus* Parker

Propagation

Medium
ATCC® Medium 290: S-6 medium for Thiobacilli

Growth Conditions
Temperature: 30.0°C

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Using a single tube of #290 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 #290 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 72 hours.

Notes

After approximately 3 days of incubation, growth is evident by turbidity in the broth and by colonies on the agar surfaces and at the base of the slants. Cells are small Gram negative rods occurring singly, in pairs and sometimes in short chains. Some cells exhibit motility. Colonies are small (less than 0.5 mm diameter), circular, with a convex elevation. Colonies become opaque and develop a pale yellow color with age.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.
Colonies on agar are circular, entire, smooth, convex, glistening, and translucent. With age colonies become opaque white beginning at the center

References

References and other information relating to this product are available online at 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

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

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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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