ATCC

Product Sheet

Megasphaera elsdenii (ATCC® 17753™)

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: *Megasphaera elsdenii* (ATCC® 17753™)

Description

Designation: T81
Deposited Name: *Peptostreptococcus elsdenii* Gutierrez et al.

Propagation

Medium
ATCC® Medium 1053: Reinforced Clostridial medium (Oxoid CM149)
ATCC® Medium 1053: Reinforced Clostridial medium (Oxoid CM149)
ATCC® Medium 566: Megasphaera medium

Growth Conditions
Temperature: 37.0°C
Atmosphere: Anaerobic

Propagation Procedure
1. Open vial according to enclosed instructions.
2. Under anaerobic conditions, withdraw 0.5 ml of the recommended broth from a single test tube (5 to 6 ml) and rehydrate the entire vial contents.
3. Aseptically transfer this aliquot back into the broth. Additional tubes may be inoculated with 0.5 ml each from the suspension. Also, 0.1 ml may be inoculated onto a slant. Streak several blood plates to check for colonial morphology and purity.
4. Incubate tubes under an anaerobic atmosphere at 37ºC. Incubate one agar plate anaerobically for colony formation, and one aerobically for aerobic contamination check.
5. Within 24 to 48 hours, growth should be evident by turbidity in the broth. No growth should occur on agar plates incubated aerobically.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by either of the following:
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

Growth under the gas mixture of 80% N_2-20% CO_2 occurs in about 24 hrs, in 48hrs with gas mixture of 100% N_2. Colonies appear round, convex, glistening, and about .5 mm in size. Bi-phasic growth is evident on media slants. Cells appear as cocco-bacilli.

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: 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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American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

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Email: Tech@atcc.org

Or contact your local distributor

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Disclaimers

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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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