



Product Sheet

Brachyspira hamptonii (ATCC® BAA-2463™)

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: *Brachyspira hamptonii* (ATCC® BAA-2463™)

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: NSH-16
Antigenic Properties: Group 1
Product Description: Type strain

Propagation

Medium

ATCC® Medium 1827: BHI with heat-inactivated fetal bovine serum and glucose
ATCC® Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

Growth Conditions

Temperature: 37°C
Atmosphere: Anaerobic gas mixture, 80% N₂-10% CO₂-10% H₂

Propagation Procedure

1. Thaw vial at room temperature. Under anaerobic conditions (see below), aseptically withdraw contents of vial and transfer into a tube of #1827 broth (5 - 6 mL).
2. Transfer 0.5 mL of the suspension to #1827 slants, making a biphasic culture. Inoculate two sheep-blood agar plates.
3. Incubate the tubes under an anaerobic atmosphere at 37°C for 4-6 days. One of the sheep-blood agar plates is incubated under anaerobic conditions and the second plate is incubated aerobically.
4. Growth can be observed as light turbidity in the broth as a thin film on the slants and #260 plate. Beta hemolysis is exhibited on the anaerobic blood agar plate. Viable growth can also be observed by looking for active motile helical cells when examining a wet mount of a drop from the broth portion of the biphasic slant under phase contrast. The aerobic plate should show no signs of growth.

ANAEROBIC CONDITIONS:

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

- Use of an anaerobic gas chamber.
- 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 in test tubes in anaerobic chamber.
- Loose screw caps in test tubes in an active anaerobic gas pack jar.
- Use of sterile butyl rubber stopper on test tubes so that an anaerobic gas headspace is retained.

Notes

Always use freshly-prepared, pre-reduced media or pre-reduced media that has been previously prepared but stored under anaerobic conditions. Resazurin in the media is a color indicator for anaerobic conditions. Observation of a pink color in the medium before use or during incubation shows that anaerobic conditions have not been met and oxidation has occurred. In that case, discard the medium.

Additional information on this culture is available on the ATCC® website 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

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function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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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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