



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**

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

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto: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% N<sub>2</sub>-10% CO<sub>2</sub>-10% H<sub>2</sub>

#### 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](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: 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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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



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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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### **Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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](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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