



# ***Pelotomaculum schinkii*** **de Bok et al.**

**BAA-615™**

## **Description**

**Strain designation:** HH [DSM 15200]

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Freeze-dried

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## **Intended Use**

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## **BSL 1**

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is

important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Handling Procedures

1. First grow a culture of *Methanospirillum hungatei* (ATCC® 27890) as described by the product sheet.
3. Exchange the gas in the test tube for 80% N<sub>2</sub>. 20% CO<sub>2</sub>. Add an anoxic propionate solution to a final concentration of 20 to 30 mM.
4. Open the vial according to enclosed instructions.
5. For inoculation, use a 1.0 ml syringe tipped with 22 gauge needle. Make the syringe anaerobic (see discussion below) and withdraw 0.5 ml of #2487 broth and use this to rehydrate the freeze-dried pellet using anaerobic techniques. Transfer the rehydrated cell suspension back to a tube of #2487 broth and incubate at 37°C. Then plate 0.1 ml of the inoculated culture onto a non-selective medium and incubate aerobically at 37°C. Inoculate a non-selective anaerobic and aerobic broth and incubate at 37°C.
6. Growth should be detected in the #2487 broth within 20 to 30 days. There should be no growth detected on the aerobic plate. There should be no growth in the non-

selective aerobic or anaerobic broth.

**ANAEROBIC CONDITIONS:**

a. Balch tube refers to a special type of test tube that is designed to be pressurized and is suited for anaerobic work. The Balch test tubes can be purchased from Bellco Glass ([www.bellcoglass.com](http://www.bellcoglass.com); stock no. 2048-00150).

b. Most strict anaerobes require this low redox potential for optimum growth. Adding a reducing agent to the medium will bring the redox potential to below 110 mv. i.e. highly reduced.

d. Common reducing agents are sodium sulfide, cysteine, dithiothreitol, and titanium citrate.

e. Syringes can be made anaerobic by one of two methods:

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Pelotomaculum schinkii* de Bok et al. (ATCC BAA-615)

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**References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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**Warranty**

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product.

While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

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