



# ***Borrelia coriacea*** **Johnson et al.**

**43381™**

## **Description**

Type strain.

**Strain designation:** Co53 [CIP 104208T]

**Deposited As:** *Borrelia coriacea* Johnson et al.

**Type strain:** Yes

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## **Storage Conditions**

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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 2**

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.

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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 submerged 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 submerged 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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**Growth Conditions****Medium:**

ATCC Medium 1914: Revised BSK medium

**Temperature:** 30°C**Atmosphere:** Microaerophilic**Handling Procedures**

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #1914 broth. Additional test tubes can be inoculated by transferring one-tenth of the cell suspension to two or three additional tubes of fresh #1914 broth.
3. Incubate at 30°C under microaerophilic conditions for 7-10 days; 6% O<sub>2</sub> is ideal.

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Use an anaerobe jar with an active catalyst and a microaerophilic gas generator pack or other acceptable method. All tubes should be incubated with caps loosened.

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**Notes**

Growth usually occurs after 7-10 days. Cells can be monitored under phase microscopy.

Keep vial frozen at -70°C or below until ready for use. Then thaw vial rapidly by swirling in a 37°C water bath.

*Borrelia coriacea* is a fragile, sensitive organism that must have the appropriate medium for growth. Rabbit serum is essential for the growth of this organism. Fresh medium enhances growth. Medium older than one month should not be used.

Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

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**Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Borrelia coriacea* Johnson et al. (ATCC 43381)

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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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