



# ***Rhizobium* *mesoamericanum* López- López et al.**

**BAA-2123™**

## **Description**

This bacterial type strain was isolated from a common bean in Mexico.

**Strain designation:** CCGE 501

**Deposited As:** *Rhizobium tuxtlense*

**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 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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## Growth Conditions

**Medium:**

ATCC Medium 3: Nutrient agar or nutrient broth

ATCC Medium 111: Rhizobium X medium

**Temperature:** 28°C**Atmosphere:** Aerobic

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## Handling Procedures

1. Just prior to inoculation, place the frozen vial at room temperature to thaw.
2. Transfer the entire contents of the vial to a tube of #3 broth (5 to 6 ml).
3. Use several drops of the cell suspension to inoculate a #3 agar slant and/or plate. Additional #3 broth tubes may be inoculated by transferring 0.5 ml of

- the primary tube to each addition broth tube.
4. Incubate the tubes and plate at 28°C for 48 to 72 hours.
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## Notes

An optional medium to use is ATCC Medium #111: Rhizobium X Medium (see formulation above).

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: *Rhizobium mesoamericanum* López-López et al. (ATCC BAA-2123)

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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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