



# *Agrobacterium fabrum* Lassalle et al.

BAA-2240™

Product Sheet

## Description

*Agrobacterium fabrum* strain NTL4(pZLR4) was derived from strain NTL4 via the transformation of recombinant plasmid pZLR4. This strain can be used as a bioreporter for detecting N-acyl homoserine lactone quorum-sensing signals.

**Strain designation:** NTL4(pZLR4)

**Deposited As:** *Agrobacterium tumefaciens*

**Type strain:** No

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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 1885: LB medium (ATCC medium 1065) with 15 mcg/ml gentamycin

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

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## Handling Procedures

1. Open vial.
2. Using a single tube of #1885 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.

4. Use several drops of the suspension to inoculate additional #1885 broth tubes, an agar slant, and/or plate.
  5. Incubate the tubes and plate at 28°C for 48 hours.
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## Notes

This species will grow on any nonselective medium, but the gentamicin is needed to select for plasmid retention.

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: *Agrobacterium fabrum* Lassalle et al. (ATCC BAA-2240)

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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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