



# *Xanthomonas campestris* (Pammel) Dowson *pathovar celebensis*

19045™

## Description

**Strain designation:** XC 145 [ICMP 1488, LMG 677, NCPPB 1832, PDDCC 1488, Z228]

**Deposited As:** *Xanthomonas celebensis* (Gaumann) Dowson

**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.

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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 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

**Temperature:** 26°C

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## Handling Procedures

1. Open vial according to enclosed instructions.
2. From a single tube of #3 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette and use to rehydrate the pellet.
3. Aseptically transfer the rehydrated pellet back into the broth tube. Mix well.
4. Use several drops of this suspension to inoculate an additional broth tube, a #3

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agar slant and/or a plate.

5. Incubate the tubes and plate at 26°C for 48 hours.

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### Notes

This strain has two colony types: (a) circular, raised center, umbonate, entire edge and translucent; and (b) compact, small, entire edge, convex and semi-opaque. Both types are yellow. Strain will also grow in Trypticase Soy Broth (BBL 11768), and Agar (BBL 11043); Brain Heart Infusion (Difco 0037), and Agar (Difco 0418). Two colony types are formed on these media also.

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: *Xanthomonas campestris* (Pammel) Dowson pathovar *celebensis* (ATCC 19045)

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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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