**Designation:** D39

**Deposited Name:** Bacillus naganoensis Tomimura et al.

### Medium

ATCC® Medium 1818: Trypticase soy agar with 1% soluble starch, adjusted to pH 5.5

### Growth Conditions

**Temperature:** 30.0°C

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #1818 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 a #1818 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 48 to 72 hours.

### Notes

This strain is cited to produce a thermoduric and aciduric pullulanase [pullulan 6-glucanohydrolase] (1). Colonies on #1818 agar are circular, entire, convex, opaque, glistening, mucoid and vary in size. Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

### References

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

### Biosafety Level: 1

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Product Sheet

*Pullulanibacillus naganoensis* (ATCC® 53909™)

Please read this FIRST

**Biosafety Level**

1

**Intended Use**

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**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner. *Pullulanibacillus naganoensis* (ATCC® 53909™)