



# *Rhodopseudomonas palustris* (Molisch) van Niel

BAA-98™

## Description

*Rhodopseudomonas palustris* strain CGA009 is a chloramphenicol-resistant derivative of *R. palustris* strain CGA001. This whole-genome sequenced bacterium can be used in antimicrobial resistance research.

**Strain designation:** CGA009

**Deposited As:** *Rhodopseudomonas palustris* (Molisch) van Niel

**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

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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 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 18: Trypticase Soy Agar/Broth

ATCC Medium 112: Van Niel's yeast agar

**Temperature:** 30°C

**Atmosphere:** Anaerobic under a tungsten lamp; Aerobic in the dark

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## Handling Procedures

A. Growth under aerobic conditions:

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1. Open vial according to the enclosed instructions.
2. Using a single tube of #18 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 #18 agar slant and plate(s).
5. Incubate the tubes and plates at 30°C in the dark for 3 to 6 days.

**B. Growth under anaerobic conditions.**

1. Put 6 to 8 mL of ATCC Medium #112 into a 13 x 100 mm screw cap test tube (small). Add 3.0 % cysteine (stock concentration, 0.1 mL per each 5 to 6 mL of medium) and then fill the test tube to capacity with additional Medium #112. Seal the test tube with a screw cap.
2. Let the tube sit at room temperature for 30 minutes before inoculating it with the rehydrated culture.
3. Open the freeze-dried vial according to enclosed instructions.
4. Aseptically take 0.5 mL of the pre-reduced medium and rehydrate the entire pellet.
5. Transfer the rehydrated pellet back into the screw cap test tube and close tightly. (The test tube should be filled to capacity).
6. Incubate the culture at 26°C under a tungsten lamp.
7. Once growth has been established (three to six days), the culture should be transferred to fresh broth. If a large inoculum is used (10% to 20%) the medium does not need to be pre-reduced.

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## Notes

This culture is tolerant to oxygen therefore strictly anoxic conditions are not required when rehydrating the freeze-dried pellet or transferring the organism.

Purified genomic DNA of this strain is available (ATCC BAA-98D-5).

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: *Rhodopseudomonas palustris* (Molisch) van Niel (ATCC BAA-98)

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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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## Revision

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***Rhodopseudomonas palustris* (Molisch) van Niel**

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**Contact Information**

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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