



# ***Natronomonas pharaonis*** **(Soliman and Trueper)** **Kamekura et al.**

**43100™**

## **Description**

**Strain designation:** NCMB 2191 [SP1]

**Deposited As:** *Natronobacterium pharaonis* (Soliman and Trueper) Tindall et al.

**Type strain:** No

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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 1590: Natronobacteria medium

**Temperature:** 37°C

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### **Handling Procedures**

1. Open vial according to enclosed instructions.
2. Using a single tube of #1590 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 second tube of broth, a slant,

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and/or plate.

5. Incubate 10 to 14 days at 37°C. It may be necessary to reinoculate the solid medium from the incubated broth if no growth appears.

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### **Notes**

Growth is indicated by turbidity in the broth and the presence of round, smooth, convex colonies on agar.

With phase microscopy, cells appear as thin rods with tapered ends.

This culture can be maintained at room temperature for up to one month.

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: *Natronomonas pharaonis* (Soliman and Trueper) Kamekura et al. (ATCC 43100)

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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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