



# *Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al.

**BAA-2088™**

## Description

*Natrarchaeobaculum aegyptiacum* strain JW/NM-HA 15 is a type strain that was isolated in 2006 from sediment in Wadi El Natrun, Egypt.

**Strain designation:** JW/NM-HA 15

**Type strain:** Yes

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -80°C or colder

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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.

# *Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al.

BAA-2088

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 2761: Natronolimnbius Medium

**Temperature:** 55°C

**Atmosphere:** Aerobic

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## Handling Procedures

1. Open vial.
2. Allow vial to thaw. Using a single tube of #2761 broth (5 to 6 ml), withdraw approximately 0.5 to 1.0 ml with a Pasteur or 1.0 ml pipette and mix the thawed material.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.

## *Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al.

BAA-2088

4. Use several drops of the suspension to inoculate a Sheep blood agar plate and incubate at 37°C for a contamination check.
  5. Incubate the tubes and plate at 55°C for 3 to 5 days.
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### Notes

After 5 days of growth, cells are coccobacilli and bacillus bodies that are motile. The cells stain weakly gram negative. No growth should occur on the sheep blood agar plate. This organism is extremely halophilic and is reported to have optimal growth at 4.5 Na<sup>+</sup> M; no growth occurs at Na<sup>+</sup> concentrations below 2.7 M.

Additional information on this culture is available on the ATCC<sup>®</sup> 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: *Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al. (ATCC BAA-2088)

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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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## ***Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al.**

### **BAA-2088**

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# *Natrarchaeobaculum aegyptiacum* (Zhao et al.) Sorokin et al.

BAA-2088

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