



# ***Nitrosomonas stercoris***

**BAA-2718™**

## **Description**

Type strain. A chemoautotrophic ammonia-oxidizing bacterium tolerant of high ammonium.

**Strain designation:** KYUHI-S

**Deposited As:** *Nitrosomonas stercoris*

**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.

## ***Nitrosomonas stercoris***

BAA-2718

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 2877: *Nitrosomonas stercoris* Medium

ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

**Temperature:** 30°C

**Atmosphere:** Aerobic

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### **Handling Procedures**

1. Open thawed vial according to enclosed instructions or visit [www.atcc.org](http://www.atcc.org) for instructions.
2. Aseptically transfer the entire contents to a flask containing 10mL of #2877 broth. Additional flasks can be inoculated by transferring 0.5 mL of the primary culture to these secondary cultures.

## ***Nitrosomonas stercoris***

**BAA-2718**

3. Wrap the flask(s) with foil to protect the cultures from light.
  4. Use several drops of the primary broth tube to inoculate a #260 plate to check purity.
  5. Incubate at 30°C with shaking for 5 days.
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### **Notes**

Shaking is not required, but does produce the most abundant and accelerated growth.

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: *Nitrosomonas stercoris* (ATCC BAA-2718)

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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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***Nitrosomonas stercoris***

BAA-2718

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# ***Nitrosomonas stercoris***

BAA-2718

Product Sheet

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

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