Methylohalobius crimeensis

BAA-967™

Description

Strain designation: 10Ki [DSM 16011]
Deposited As: *Methylohalobius crimeensis*
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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.

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.

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.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

1. Open vial according to enclosed instructions.

2. Using a single tube of broth (5 to 6 ml), aseptically withdraw 0.5 ml and use to rehydrate the entire pellet

3. Aseptically transfer this aliquot back to the broth tube and mix well. Transfer 0.1 ml to slants and 0.5 ml to a second tube of #2602 broth. Plate the rehydrated culture (0.1 ml) onto a non-selective medium (to test for purity).

4. The culture should be incubated under a gas mixture of 78% air, 20% methane and 2% CO_2. Incubate the culture at 30ºC for 48 to 72 hours. The culture needs to be fed a mixture of 78% air, 20% methane and 2% CO_2 every 24 to 48 hours. Incubate with shaking to increase growth rate.

Notes

Growth should be detected within 3 to 5 days. No growth should occur on the non-selective plates.

The growth rate is increased by shaking the culture while it is incubating. No growth is obtained when CO_2 is excluded from the gas mixture.

Methanol (0.4%) can be substituted for the gas mixture, adding 2% CO_2 may enhance growth.

Additional information on this culture is available on the ATCC web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Methylohalobius crimeensis* (ATCC BAA-967)

References

References and other information relating to this material are available at www.atcc.org.

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