700922

700922™

Description

Halobacterium salinarum strain NRC-1 is a whole-genome sequenced archaeon that contains the megaplasmid or minichromosome pNRC100. This strain is a halophile.
Strain designation: NRC-1 [JCM 11081]
Deposited As: *Halobacterium* sp.
Type strain: No

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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.

Growth Conditions

Medium:
ATCC Medium 2185: Halobacterium NRC-1 medium
Temperature: 37°C
Atmosphere: Aerobic

Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #2185 broth. Additional test tubes can be inoculated by transferring 0.1 mL of the primary broth tube to these secondary tubes.
3. Incubate the tubes at 37°C on a shaker for 3 to 7 days. Establish growth in the broth tubes prior to transferring to agar plates and/or slant tube.

4. Incubate the plates and/or slant tube for 3-7 days to establish growth.

Notes

This strain should be allowed to establish growth in the broth tubes for approximately 3 days before transferring to agar plates and/or slant tubes. Biphasic slants are the preferred media, since growth at the interface of the biphasic slant should occur within 3 days. Growth on agar plates (after transfer) will be slow.

Incubating the broth culture on a shaker at 37°C will decrease the time needed to detect growth.

Purified genomic DNA of this strain is available (ATCC 700922D-5).

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: 700922 (ATCC 700922)

References

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

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Revision

This information on this document was last updated on 2025-09-04

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