Dictyostelium boreale Romeralo et al.

MYA-4290™

Description

Strain designation: BSB10A
Type strain: No

Storage Conditions

Product format: Frozen

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 919: Non-nutrient agar
Temperature: 20°C

Handling Procedures

Frozen ampoules packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampoules may be stored at or below -70°C for approximately one week. **Do not under any circumstance store frozen ampoules at refrigerator freezer temperatures (generally minus 20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. Prepare media by streaking center of agar surface with a large X of Escherichia coli (ATCC 23437) and incubating at 25°-30°C one day before inoculating organism. Several replicates are suggested for optimum results.

2. To thaw frozen ampoule, place in a 37°C water bath, immerse ampoule to depth of one millimeter above the level of frozen material in the ampoule. Keep ampoule immersed until material is thawed but no more than 3 minutes. Do not agitate or vortex the ampoule.

3. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer one loop full of contents onto center of X grown out with Escherichia coli.

4. Incubate the plates at the temperature recommended.

5. Allow culture to incubate for 2-5 days. Visually inspect by inverting plate under 10X objective. Look for swarms of amoebae feeding on bacteria and the initials of fruiting bodies and/or fruiting bodies rising from the surface of the agar.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Dictyostelium boreale* Romeralo et al. (ATCC MYA-4290)

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 2025-10-12

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