



Entomophthora sp.

15431™

Description

An ampoule containing viable cells (may include spores and mycelia) suspended in cryoprotectant.

Strain designation: [NRRL 3743]

Deposited As: *Entomophthora muscae* (Cohn) Winter, teleomorph

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

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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 337: Potato, dextrose, yeast agar (PDY)

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 -20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. To thaw a frozen ampoule, place in a **2530 °C** water bath, until just thawed (**approximately 5 minutes**). Immerse the ampoule just sufficient to cover the frozen material. Do not agitate the ampoule.
2. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer at least 100 µl (or 2-3 agar cubes) of the content into 2-5 ml of recommended broth medium.
3. Incubate the broth culture for 4-7 days at 20°C, and transfer the agar cubes on an agar plate (or agar slant) of recommended medium.
4. Incubate the plate at the temperature and conditions recommended.
5. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 5-7 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Morphology: On PDY agar at 20°C , the mycelium develops slowly. The hyphae are stout, elongated, and several of them produce hyphal body-like structures. .

Notes

Pre-soaking the agar cubes in a broth medium for 4-7 days at 20°C are strongly recommended before transferring on agar plate or slant.

Additional, updated information on this product may be 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: *Entomophthora* sp. (ATCC 15431)

References

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

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