Strain Designation: [NRRL 3743]
Deposited Name: Entomophthora muscae (Cohn) Winter, teleomorph

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

Intended Use
This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain
If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Entomophthora sp. (ATCC® 15431™)

Growth Conditions
Temperature: 20.0°C

Recommended Procedure
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 25°C to 30°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.

Colony and Cell 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.

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.

No DNA sequencing was performed in house on this product.

Musca domestica, India

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

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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