



Product Sheet

Cryptococcus flavescens (ATCC® MYA-4951™)

Please read this **FIRST**

Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section

 Biosafety Level
1

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: *Cryptococcus flavescens* (ATCC® MYA-4951™)

American Type Culture Collection
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Manassas, VA 20108 USA
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800.638.6597 or 703.365.2700
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Or contact your local distributor

Description

Strain Designation: HD-13

Deposited Name: *Cryptococcus flavescens*

Product Description: An ampoule containing viable cells (yeast cells, spores, or agar cubes with mycelia) suspended in cryoprotectant.

Propagation

ATCC® Medium 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 200: YM agar or YM broth

ATCC® Medium 1245: YEFD

Growth Conditions

Temperature: 24°C to 26°C

Atmosphere: Typical aerobic

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 50 µL (or any amount desired up to all) of the content onto a plate or broth with medium recommended.
3. Incubate the inoculum/strain at the temperature and conditions recommended.
4. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 2-3 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: Colonies after 4-5 days on YM agar are flat to convex, dull, cream, slight mucoid with smooth surface and entire margins. Cells are subglobose and reproduce by budding.

Notes

Not available

Additional, updated information on this product may be available on the ATCC® web site at www.atcc.org.

DNA Sequence

18S ribosomal RNA gene, partial sequence; internal transcribed spacer 1, 5.8S ribosomal RNA gene, and internal transcribed spacer 2, complete sequence; and 26S ribosomal RNA gene, partial sequence
GTTTCCGTAGGTGAACCTGCGGAAGGATCATTATTGATTGGTCTGAAAGACCTTATCAGATTCTACCACC
TCTGTGAACCGTTGACCTCCGGGTTAATAATCAAACATCAGTGTAACGAACGTAAGAGTATCTTAATTA
AACAAAACCTTTTAAACAACGGATCTCTGGCTCTCGCATCGATGAAGAACGCAGCGAAATGCGATAAGT
AATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACCTTGCCTTTTGGTATTCCGAA
AGGCATGCCTGTTTCAGTGCATGAAATCTCAATCTAATATGTTTTCTGAACATGTTAGGCTTGGACTTG
GGTGTCTGCCAGCAATGGCTCACCTCAAATGACTTAGTGAACATCCCACATCAGTGTAGACGTAAT
AAGTTTCGTCTCCTTGTGGTGATGACTGCTCAAACCTGCCATCGCGCACCTTTTGACTTTGACCTGA
AATCAGGTAGGGCTACCCGCTGAACCTAAG

D1D2 region of the 26S ribosomal RNA gene

CATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAACGGCGAGTGAACCGGGAA
GAGCTCAAATTTGAAATCTGGCGTGCTCAGTGCCTCCGAGTTGTAATCTATAGAGTCGTTTTCCGTGCC
GGACTGTGTCCAAGTCCCTTGAACAGGGTATCAAAGAGGGTATAATCCCGTACTTGACACAATGAC
CGGTGCTCTGTGATACGTCTTCTACGAGTCGAGTTGTTGGGAATGCAGCTCAAATGGGTGGTGAAT
CCATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAAAG
CACTTTGGAAAAGAGAGTTAAACAGTACGTGAAATTTGTTAAAAGGGAACGATTGAAGTCAGTCTGTA
CTGAGAGGCTCAGCCGGTTCTGCCGGTGATTTCCCTCAGTCGGGTCAACATCAGTTTTGTTCCGGTGGAT
AAGGGCAGTTGGAAGGTGGCACCTCGGGTGTGTTATAGCCAGCTGTGCGCATACATCCGGATGAGACTG
AGGAATGCAGCTCGCCTTTATGGCCGGGTTGCCCCACGTTGAGCTTAGGATGTTGACATAATGGCTT
TAAACGAC



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Isolation

Cactus, Solan, Himachal Pradesh, India.

References

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

Biosafety Level: 1

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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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

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