Strain Designation: CBS 132 [CCRC 20528, DBVPG 6010, IFO 0608, NRRL Y-2534]

Deposited Name: Cryptococcus neoformans (Sanfelice) Vuillemin

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

Propagation

The information recommended in this section is to assist users in obtaining living culture(s) for their studies. The recommendation does not imply that the conditions or procedures provided below are optimum. Experienced researchers may initiate the growth of a culture in their own way.

ATCC® Medium 200: YM agar or YM broth

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

Growth Conditions

Temperature: 24°C to 26°C

Atmosphere: Typical aerobic

Recommended Procedure

For freeze-dry (lyophilized) ampoules:

1. Open an ampoule according to enclosed instructions.
2. From a single test tube of sterile distilled water (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a sterile pipette and apply directly to the pellet. Stir to form a suspension.
3. Aseptically transfer the suspension back into the test tube of sterile distilled water.
4. Let the test tube sit at room temperature (25°C) undisturbed for at least 2 hours; longer (e.g., overnight) rehydration might increase viability of some fungi.
5. Mix the suspension well. Use several drops (or make dilutions if desired) to inoculate recommended solid or liquid medium. Include a control that receives no inoculum.
6. Incubate the inoculum at the propagation conditions recommended.
7. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 1-2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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

GGTTTCCGTAGGTGAACCTGCGGAAGGATCAGTAGAGAATATTGGACTTTGGTCCATTTATCTACCCATCTACACCTGTGAACTGTTTATGTGCTTCGGCACGTTTTACACAAACTTCTAAATGTAATGAATGTAATCATATTATAACAAATAATACACAACACGATCCTCTTGGTCCTCCACATCGATGAAGAACGCAGCGA
AATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAGTCTTTGAACGCAACTTGCGCCCTT
TGGTATTCCGAAGGGCATGCCTGTTTGAGAGTCATGAAAATCTCAATCCCTCGGGTTTTATTACCTGTGG
GACTTGGATTTGGGTGTTTGCCGCGACCTGCAAAGGACGTCGGCTCGCCTTAAATGTGTTAGTGGGAA
GGTGATTACCTGTCAGCAGCGGCGTATAAGTTTCTGCGCCCTGGTGGATGGTACTTCTCGGTCTGATATA
ACAACCATCTCTTCTTTTCTGGCACCCTAATAAGGCTAGGCGTAC

D1D2 region of the 26S ribosomal RNA gene

ATATCACAATACGGGAGGGGAGGGGAAGAACTAACAAGTAGTTCCCTTTAGTAACCCGGGAGTAAACGGGGAAG
AGCTCAAATTGGAAATACCGCTGACCCATCGGAGTGAATCTCACAAACAGGTGCTGCTG
GACCGCTGCTGTTACGTCACTCTCGGAGAATGAGGGATCATAAAGCAGAAGGGGTGACCTCCCTGACTGCA
AGTGCTCTTGGGATACGTAGTTCCCGAGTGGAGTGGAGGCGAATTGGGTGTTAAACTC
CATCTAAAGCACGCTATTGCTGGAGACCCGATAAGGATGAAAATCCGAGGGAAAGGCGGAGG
ACTTTGAGAAGAGAGAGTTATAACACGCTACGGTGAAATGGTGGGAAAACCCGATGGTGCTGCTG
TATGGGTTCCAGCCAGTCTGCTGCTGTTACTCCCTTTATGACGGGTTACATACTCGGTGCTGCTGCTG
AGGGCTGAGGAGATGCGACTTCTCTCGGAGTGGTTGATATAGGCTCTCCTGAGCTGACACTGCTGGTGGAG
AGGGCTGAGGAGATGCGACTTCTCTCGGAGTGGTTGATATAGGCTCTCCTGAGCTGACACTGCTGGTGGAG
AGGGCTGAGGAGATGCGACTTCTCTCGGAGTGGTTGATATAGGCTCTCCTGAGCTGACACTGCTGGTGGAG

Fermenting fruit juice
Cryptococcus neoformans (ATCC® 32045™)

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 2

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 neoformans (ATCC® 32045™)

References

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

Biosafety Level: 2

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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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 neoformans (ATCC® 32045™)

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