Strain Designation: NCCLS 11
Deposited Name: Candida albicans (Robin) Berkhout
Product Description: An ampoule containing viable cells 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 1245: YEPD
ATCC® Medium 28: Emmons’ modification of Sabouraud’s agar

Growth Conditions

Temperature: 30°C to 35°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. Viability is typically noticeable after 1­2 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

Colony and Cell Morphology: After 2 days on YM agar at 30°C, colonies white, smooth, butyrous. Cells globose to ovoidal, single or in pairs, pseudohyphae not observed.

Notes

No special notes.

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.

GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACTGATTTGCTTAATTGCACCACATGTGTTTTTCTTT
GAAACAAACTTGCTTTGGCGGTGGGCCCAGCCTGCCGCCAGAGGTCTAAACTTACAACCAATTTTTTAT
CAACTTGTCACACCAGATTATTACTAATAGTCAAAACTTTCAACAACGGATCTCTTGGTTCTCGCATCGA
TGAAGAACGCAGCGAAATGCGATACGTAATATGAATTGCAGATATTCGTGAATCATCGAATCTTTGAA
CGCACATTGCGCCCTGTGATTCGCGATGCGATCTGTGGATCGCGCTGTTCTGCTCCCTCAACCCCGTGG
GGTGGTTGGAGCAATACGAGGGTTGGGGTTTGCTTGAAAGACGGTAGTGGTAAGGCGGGATCGCTTTGA
CAATGGCTTAGGTCTAACCAAAAACATTGCTTGCGGCGGTAACGTCCACCACGTATATCTTCAATTT
GACCTCAAAATCGAGTAGGACTACCCGCTGGTAACCTTAAAGCATAATCAATAAA

D1D2 region of the 26S ribosomal RNA gene
ATATCCTAATAGCGGGAGGAAAGGAAACCAAACAGGATTTGCCTAGTAGGCGGCGGATGAAAGCGGCAA
AGCTCAAATTTGGAATCTGGCGTCTTGGGCGGCGGATGTGAAATTTGAAGAAGGTAGTCTTTGCGGCGG
CTGGGCTTCTATTGGCTCTGGACCAGGGCGCTAGCGAGGAAATCCCGGGCGGCGATGAGTACCAGGG
GTCGCGAGTAAATGCCTCTGGACGAGGCTGAGGTGTTTTGGGAAATGCACTACTGTGGGTGTTGAATTTCA
TCCTAATAACTTTAGCGAAAGACCAGATGAAACAGAAGTACAGTGGATAGGAAAGAAGAAC
TTGGAAAGAAGAGTGAATGATAAAAATTTGGAAGAAGCGGCGTCTGAGATCACTGATGTAAT
TTGGCTGCTTTGGCGGCGGCGGCGGCGGCGGTTCTGCGCGTTTACCAGGCGACATCGGTTGGAAGCGCGG
ATATGCGGCGGAGGAAATGGCGACCGGCTCTGCTGTTGTATAGCCTCTGAGTACATCGCGCTGTAAG

ACCGAGGACTGCAGTTTTACCTAGGATGGCATAATGATCTTAAGTCGC

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

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