Strain Designation: NRRL Y-900 [CBS 5609, CCRC 20325, DSM 2361,IFO 0988, NBRC 0988,NCYC 707, NRCC 2721, VTT C-78085]

Deposited Name: Torulopsis utilis (Henneberg) Lodder

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

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: 25°C to 30°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 2-3 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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

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

GCGCTTCTAGCGCGGCTCCACCAATACACAGTGTATTTTGCTTCTTTTGCTTTGGCTCTGCCAAAGGTTTTTAAACACAGAAAATTATTTCCTCTAGAATACTGCAATTGGAAATTTTATCTTCTAAAACCTTTAACACAG
GATCTTTCTGGTTCTCCTGCAAACGATGAAAGACGCAAATCGAATGTAATGCAATTTGCAAGGTTTTCTCGATACTCGATTTAGCATATTGCCAGAGAGAAGTTGATATGTCATTTTGCAG
TCATTCTTCCTCTCAGAATCTTCTGAGGACTTGGATATTGGTGCTCTGGTGCTGTGTTAATCTAGCTCAAGAGCTCCCTGCAAATACCTCTGGGCGGAAATAATGTATTAGGTCTCACAACGGTATTTTTCCAGACGAGCTCCAGACAGACTCTCGGC

DNA Sequence

D1D2 region of the 26S ribosomal RNA gene

ATATCAATAAAGCCGAGAAAGAAACACCCGAAGAGTGTCCTCTCTCACTAAACCGCGAGTGAAGCGCGC
AGGCATCCATTGAATCGAGCTGCTACCCCGCGATGCTGAATGGTTATGCTACAAGGCGCCGC
CCCGCTGCTACTGCCTTGCGAACAGGAATAGACAGATGTAATGGTTCGCTTCGTCGCGCCGC
CTCACTCTAGCTAAGCCGCGATGCGATGCTGTCCTGCTGCGTCGCTGCGCC
CAACAGATGCGCGCGGAGACGAGCTCGTACCTCGGGCGGTGGCCGC
CGCAAGAGCAGCGCGGACAGCAGCTCGACCTCGGGCGGTGGCCGC
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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