**Product Sheet**

*Candida utilis* (ATCC® 9950™)

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**Strain Designation:** NRRL Y-900 [CBS 5609, CCRC 20325, DSM 2381, 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.

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**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:** 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.

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**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

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GCGCTTCTAGCGCGGCTCCACCAATACACAGTGTATTTTGCTTTTGGCTTTGGCTCTGCCAAAGGTTTT
TAAACACAGAAATTTTATTCTCTAGAAACTAGTCAATTATACTTCTAAAACCTTTAACAACCG
GATCTCTTGGTCTTCCGAACGATGAAAGACGCAATCGATACGTAAATGTGAATTGTGTTTT
CGTGAACTACATCGAACACATTGAAAGACGCAATCGATACGTAAATGTGAATTGTGTTTT
TCATTTCGCTCTCAGATGGCATGCGGATCCCTGACCTGAGCTGGGAGGGGCGGCCTGG
GCTCCGTGTAGAGCGCCATCGACGAGTCGAGTTGTTTGGGAATGCAGCTCTAAGTGGGTGGTAAATTCC
ATCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACAGTGATGGAAAGATGAAAAGAA
CTTTGAAAAGAGAGTAAAGTACAGTGATGGAAAGATGAAAAGAA
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D1D2 region of the 26S ribosomal RNA gene

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ATATCAATTAAGCCGGAGGGAGAGAGGAGACGCAATCGATACGTAAATGTGAATTGTGTTTT
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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: *Candida utilis* (ATCC® 9950™)
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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Disclaimers

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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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