**Product Sheet**  
**Diutina rugosa  (ATCC® 10571™)**

### Description

**Strain Designation:** NRRL Y-1496 [ATCC 2142, CBS 613, CCRC 21709, CCY 29-15-1, DBVPG 6152, IAM 12198, IFO 0750, JCM 1619, NBRC 0750, VKM Y-67]

**Deposited Name:** Candida rugosa (Anderson) Diddens et Lodder

**Product Description:** An ampoule containing viable cells suspended in cryoprotectant.

### Propagation

The information recommended in this section is to assist 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 324:** Malt extract agar
- **ATCC® Medium 1245:** YEPD

### Growth Conditions

**Temperature:** 24°C to 26°C  
**Atmosphere:** Typical aerobic

### Recommended Procedure

For freeze-dried (lyophilized) cultures:

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.

### Colony and Cell Morphology:

- **On YM medium at 25°C after 3 days, colonies creamy white to dingy white, smooth, butyrous, margin entire. Cells hyaline elongate ovoid, smooth, 6-8.5 X 2.5-3 µm. Pseudohyphae present.**

### 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

- **GTCTCCGAGTAGTGAACTCGCAGGAGGATCATATTCAAAACAACTTTCCCAACAAGGATCTTAGTCAGATGATTAGCGGCCAGCAGGAGGTGCCTTCCAGATGATCAGACTACG ATCTTATCTCGAAATCACTACGAGTAACTACCCGCTGAACTTAAGCATATCAATAA**

**D1D2 region of the 26S ribosomal RNA gene**

- **ATATCTAATAAGCGGAGGAAAGAAGAACACCGCGGATTGCTGCTAGTAACCGCGATTAACCGCGGCTGATCTAC**

**Deposited Name:**

- **Candida rugosa (Anderson) Diddens et Lodder**

**Product Description:**

- **An ampoule containing viable cells suspended in cryoprotectant.**

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Diutina rugosa  (ATCC® 10571™)*
Human feces

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

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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