**Strain Designation:** S31  
**Deposited Name:** Schizochytrium sp.  
**Product Description:** An ampoule containing viable cells suspended in cryoprotectant.

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**Description**

**Storage Temp.**  
**Frozen:** -80°C or colder  
**Freeze-Dried:** 2°C to 8°C  
**Live Culture:** See Propagation Section

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**Intended Use**

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

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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: *Schizochytrium sp.* (ATCC® 20888™)

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**Growth Conditions**

**Temperature:** 20°C  
**Atmosphere:** Typical aerobic

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**Recommended Procedure**

Frozen ampoules packed in dry ice should either be thawed immediately or stored in liquid nitrogen. If liquid nitrogen storage facilities are not available, frozen ampoules may be stored at or below -70°C for approximately one week. **Do not under any circumstance store frozen ampoules at refrigerator freezer temperatures (generally -20°C).** Storage of frozen material at this temperature will result in the death of the culture.

1. To thaw a frozen ampoule, place in a 25°C to 30°C water bath, until just thawed (approximately 5 minutes). Immerse the ampoule just sufficient to cover the frozen material. Do not agitate the ampoule.
2. Immediately after thawing, wipe down ampoule with 70% ethanol and aseptically transfer 50 µL (or any amount desired up to all) of the content onto a plate or broth with medium recommended.
3. Incubate the inoculum/strain at the temperature and conditions recommended.
4. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 2 to 4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

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**Notes**

No special notes.

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

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**DNA Sequence**

18S ribosomal RNA, partial sequence:  
TGTAGTCTATATGCGTCTGCTCAAAGACTACATAGCCATGATGTAAGGATAAGCGAATTATACGTGAAAC  
TGCGAACGGCTCATTATATCAGTTATAATCCCTGCAGTTTATAGGATACGTAATTCTGGAATTAATACGTGCTGTACGGGCCCGACTTTCGGGGAGGGCCGCACTTATTAGGTCTAAGCCAACTCTGCTTGGTGAGTCATGATAATTGAGCAGATCGCTTTTCGGAGCGATGAATCGTTTGAGTTTCTGCCCCATCAGTTGTCGACGGTAGGGTATTGGCCTACGGTGACTATAACGGGTGACGGGGAGTTAGGGCTCGACTCCGGAGAGGGAGCCTGAGAGACGGCTACCACATCCAAGGAAGGCAGCAGGCGCGTAAATTACCCAATGTGGACTCCAGA

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**Isolation**

Estuarine water, California

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**References**

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

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**Biosafety Level:** 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in...
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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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Schizochytrium sp.  
(ATCC® 20888™)

**Storage Temp.**

- Frozen: -80°C or colder
- Freeze-Dried: 2°C to 8°C
- Live Culture: See Propagation Section

**Biosafety Level**

1