



Product Sheet

# *Sporidiobolus salmonicolor* (ATCC® MYA-4550™)

Please read this **FIRST**



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

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Biosafety Level  
**1**

## Intended Use

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

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Sporidiobolus salmonicolor* (ATCC® MYA-4550™)

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Manassas, VA 20108 USA  
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Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Strain Designation:** VITEK 301525 [MUCL 51628]

**Deposited Name:** *Sporobolomyces salmonicolor*

**Product Description:** An ampoule containing viable cells (may include spores and mycelia) 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

## Growth Conditions

**Temperature:** 24°C to 26°C

**Atmosphere:** Typical aerobic

## 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 2-3 agar cubes) 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 2-4 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

## Notes

Quality control strain for VITEK® 2 Yeast Identification Card (listed as *Sporobolomyces salmonicolor*). This quality control strain was chosen by bioMérieux for reaction performance over identification performance for the VITEK® 2. Therefore, bioMérieux reports that an unidentified or misidentified result may occur even when all expected quality control reactions are correct. Additionally, this quality control strain may perform best on the VITEK® 2 Yeast Identification Card when a fresh subculture is prepared in SDA media (Sabouraud Dextrose Agar).

Additional product and technical information can be obtained from the ATCC® website at [www.atcc.org](http://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 28S ribosomal RNA gene, partial sequence  
GGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACGCGCCGTGGGGGTTGGACCTCCTAGACCCGGA  
GGAACCCCGGGCCCCCTCACCTGGCCACCCTTGCTATTTTACCTGTTGCTTCGGCGGGCCTGCACGGAT  
GCTGCCGGGGGAGTTTTCACTCCCCGGGCTCGTGCCCGCCGAGGACACCGCTAGAATTCTGGTGAAC  
GATTGACATCTGAGAAAATAACTATAATCAGTTAAAACTTTCAACAACGGATCTTTGGTTCCGACATC  
GATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCGGTGAATCATCGAATCTTTG  
AACGCACATTGCGCCCTCTGGTATTCCGGGGGGCATGCCTGTCCGAGCGTCATTGCAACCCCTCAAGCGC  
GGCTTGTGTTGGGCCCTTCGTCACCCCGTGGACGTGCCGAAATGCAGCGGGCGGCTCGTGTCCGGT  
GCCCGAGCGTATGGGGCTTTGTCACCCGCTCTAGAGGCCCGGCCGCTCCGGCCCCATCTCAAACCCCT  
CGAGGGAGGGCGTCTTCGGGCCGTCTCCCCACCAGGTTGACCTCGGATCAGGTAGGAATACCCGCT  
GAACCTAAGCATATCAATAA

D1D2 region of the 26S ribosomal RNA gene  
ATATCAATAAGCGGAGGAAAAGAACTAACAAGGATCCCTAGTAGCGGCGAGCGAAGCGGGAAA  
AGCTCAAATTTGTAATCTGGCGCTTTCGGCGTCCGAGTTGTAATCTCGAGAAGTGTTCGGCGTCAGAC



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CGCACACAAGTCTCCTGGAACGGAGCGTCACAGTGGTGAGAACCAGTACACGGTGCGGATGCCTGA
TGCTTTGTGATACACTTTCGAAGAGTCGAGTTGTTTGGGAATGCAGCTCAAATTGGGTGGTAAATTCCA
TCTAAAGCTAAATATTGGCGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAAGATGAAAAGCAC
TTTGGAAAGAGAGTTAACAGTACGTGAAATTGTTGGAAGGGAAACGCTTGAAGTCAGACTTGCTATTCC
GGAGCTTGCTTCGATTCCGAGGCCCGCATCAGTTTTCCGGGGCGGAAAATCGTAAGGAGAAGGTAGC
AGTTTCGGCTGTGTTATAGCTCTTTACTGGATTGCTCCTGGGGGACTGAGGAACGACGCGTGTCTTTTGC
ATGGGCTTCGGCCATCCACGCTTAGGATGCGGGTGGGAATGGCTTTAAACGAC
```

### References

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

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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