



Product Sheet

# *Malassezia pachydermatis* (ATCC® 14522™)

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  
**2**

## 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: *Malassezia pachydermatis* (ATCC® 14522™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Strain Designation:** CBS 1879 [238 Shesis, CCRC 21676, IFO 10064, NRRL Y-17165]

**Deposited Name:** *Pityrosporum canis* Gustafson

**Product Description:** An ampoule containing viable cells (e.g. yeast cells, spores) 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 28: Emmons' modification of Sabouraud's agar

ATCC® Medium 1072: Pityrosporum medium

ATCC® Medium 2693: modified Dixon (mDixon)

ATCC® Medium 2737: Modified Leeming & Notman Agar (MLNA)

## Growth Conditions

**Temperature:** 37°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 for (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.
6. Incubate the inoculum/strain at the temperature and conditions recommended.
7. Inspect for growth of the inoculum/strain regularly. The sign of viability is noticeable typically after 3-5 days of incubation. However, the time necessary for significant growth will vary from strain to strain.

**Colony and Cell Morphology:** After 15 days on Emmons' modification of Sabouraud's medium at 37°C, colonies are cream-colored, smooth, and soft. Yeast cells are ovoid, single, in pairs or clusters.

## Notes

Type strain; deposited as *Pityrosporum canis* Gustafson; Biomedical Research and Development Material Additional, updated information on this product may be available on the ATCC® web site 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 26S ribosomal RNA gene, partial sequence.  
GGTTTCTGTAGGTGAACCTGCAGAAGGATCATTAGTGAATTTGTAGGGCCTGCCATACGGATGCGCAA  
GCGTCTCTGGCGCCCAACCCACTATACATCCACAACCCGTTGTGCACTTGTGTGCTTTGGCCTGTATGG  
GCGAGCGCACGCATTCAAACAACCTCGTATGGTTGTATGTACGTTGTAACGTTGGACCGTCACTGGC  
CAACAACTTTATACAACCTTCGACAACGGATCTCTTGGTCTCCCATCGATGAAGAACGCAGCGAAA  
CGCGATAGGTAATGTGAATTGCAGAATCCGTGAATCATCGAATCTTTGAACGCACCTTGGCCTCCATG  
GTATTCGGTGGAGCATGCCTGTTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
GTGCGGCGGAGGGGTTGGATGGGTGCTACTGCCTGTGGTGGGAAACTACAACAGGCTCGCCCGAAA  
TGCATTAGCGCCTCAGGACACATTGCTACTGCTCTACAAAAGGAAGAGCAGCGAAGCGTATGGGGG  
GGAAAACCACCACCGTTATTCAAAACCTCGCCTGACTGTTTTTGGCGCATGGCATGATACGTCATTT  
GCTGTGTTGCGTAGGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT  
TGCTACGAAGTGAAGTACATTCCTTTTTTCAATTCTGGTCTCAAATCAGGTAGGATCACCCGCTGA  
ACTTAAGCATATCAATAA

D1D2 region of the 26S ribosomal RNA gene.

ATATCAATAAGCGGAGGAGAAGAACTAACAAGGATCCCTAGTAACGGCGAGCGAAGCGGGAAG  
AGCTCAAATTTGAAAGCTGGCACCTTCGGTGTCCGCTGTAATCTCGAGACGTGTTTTCCGTGTGGC




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CTATGGACAAGTCCCTTGAACAGGGCATCGTAGAGGGTGAAAATCCCGTACTTGCCATGGCTGTACC
ATGCTTTGTGATACACGCTCTAAGAGTCGAGTTGTTGGGATTGCAGCTCAAATGGGTGGTAGACTCC
ATCTAAAGCTAAATATCGGGGAGAGACCGATAGCGAACAAGTACCGTGAGGGAAAGATGAAAAGCA
CTTTGGAAAGAGAGTTAAAAGTACGTGAAATTGTCGAAAGGGAAGCGCTTGAAGTCAGCCATGCTGC
TTGAGACTCAGCCTTGCTTTTGCTTGGTGTATTCTCGGTAGCAAGCCAGCATTGGTTCGAGTCGTCGGA
GAAGGGTATGAGAAATGTGGCATCCTCGGATGTGTTATAGACTTGTACTGGATACGACGATTTGGATC
AAGGAACGCAGTGTGCCTCTGGCGGGTCTTCGGACACCTTCACACTTAGGATGCTGGCGTAATGGCTTT
AAGCGGC
```

## Isolation

Otitis externa in a dog, Sweden

## References

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

## Biosafety Level: 2

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