Trichophyton mentagrophytes (ATCC® 46950™)

**Product Sheet**

**Strain Designation:** 920  
**Deposited Name:** Trichophyton schoenleinii (Lebert) Langeron et Milochevitch  
**Product Description:** An ampoule containing viable cells (yeast cells, spores, or agar cubes with mycelia) suspended in cryoprotectant.

**Biosafety Level**

2

**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 at least 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. 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.

**Growth Conditions**

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

**ATCC® Medium 28:** Emmons’ modification of Sabouraud’s agar  
**ATCC® Medium 200:** YM agar or YM broth  
**ATCC® Medium 336:** Potato dextrose agar (PDA)

**DNA Sequence**

18S ribosomal RNA gene, partial sequence; internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Trichophyton mentagrophytes (ATCC® 46950™)

**Notes**

Additional information on this culture is available on the ATCC® web site at www.atcc.org.
beta-tubulin (TUB2) gene
CTAGCTTTCCCCCTGTCCACCACTTCCCCTCTATTTGTGCCCGAAAAACACGACACGGTCTGCACAGGCC
AAGAAAGGGGGGGGGAGGCGAGGGCCACCACACGACCACGTCCCAGCGTGAAGGGGACAGGCTTC
GAGTTTCACAATTCTCGCATAACGAGCTTCGAGCATCAGGCTAACGTGCATTTATCGTATAGGTCCATC
TCCAAACCGGCCAATGTGTAAGCTTTGATCGTTCCCTGGTTCGTTCTCAGGTACCCGTTTGAGTTAACAA
TTGTTCGACATTAGGGTAACCAAATTGGTGCTGCTTTCTGGTGAGCATTCATGCATTGCAGCATAATTGT
ATATTTCGCTGCGGATTTGTACTGATTTGCTCAGCCAGGCAACACATTGCGTGAACACGGTCTCGATGG
GATCCGGCCAGTGAGTGATTCTGCAAGAAAAAGTTCCGGTCTTGAGGGACTTGAACGTTGACAACTGG
GATTTCTACAGCTACACCGGATCTTCTGACCTCCAATTGGAGCGCATGAATGTCTACTTCAACGAGGTG
TGCACGACCAAGACCCTTCCCTTCAGCAGCATACTAACTCATTGGAGGCAAAGGCCTCAAGCAAAAA
ATACGTTCCCCGTGCGGTTCTTGTTGATCTTGAGCCCGCCGCTCTCGATGCTGTCCGCGCCGGTCCTTTCG
GTCAGCTCTTCCGCCCCGATAACGTCGTCTTCGGTCAGTCTGGTGCCGGAAACAACTGG

Isolation

Human scalp, Iraq

References

References and other information relating to this product are available online at 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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