An ampoule containing viable cells (may include spores and mycelia) suspended in ampoules:

Let the test tube sit at room temperature (25°C) undisturbed for at least 2 hours; longer (e.g., 25°C).

From a single test tube of Biosafety Level

Open an ampoule according to enclosed instructions.

Incubate the inoculum at the propagation conditions recommended.

Aseptically transfer the suspension back into the test tube of sterile distilled water.

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.

Mix the suspension well. Use several drops (or make dilutions if desired) to inoculate recommended

On PDA medium at 25°C after 8 days, mycelium white becoming green to dark green, tomentose. Reverse reddish brown. Hyphae hyaline, guttulate. Conidiophores with phialides in whorls of 3-4. Phialides 9-10.5 X 2.5-3 µm. Conidia green, globsola to subglobose, smooth, 3-6 X 2.5-5.5 µm. Chlamydospores terminal and intercalary.

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

**Trichoderma afroharzianum**  
(NTCC® 20847™)

Please read this FIRST

**Storage Temp.**

Frozen: -80°C or colder  
Freeze-Dried: 2°C to 8°C

**Live Culture:** See Propagation Section

**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: *Trichoderma afroharzianum* (NTCC® 20847™)

**Isolation**

Protoplast fusion of ATCC® 20737™ and ATCC® 60850™

**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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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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