**Strain Designation:** NRRL 864 \[42, 4733.21, ATCC 10418, CBS 257.29, DSM 3825, Dierckx, IMI 40225, MUCL 30241, NRRL 2011, QM 7496\]

**Deposited Name:** *Penicillium brevi-compactum* Dierckx

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

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**Growth Conditions**

**Temperature:** 24°C to 26°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 (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. Include a control that receives no inoculum.
6. Incubate the inoculum at the propagation conditions recommended.
7. 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.

**Colony and Cell Morphology:** Colonies on malt agar growing moderately rapidly, granular, olivaceous-green, reverse yellowish to reddish-brown. Conidiophore stipes smooth-walled; penicillia generally terverticillate. Phialides flask-shaped. Conidia smooth-walled or slightly verruculose, ellipsoidal, 2.5-3.5 µm.

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**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

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

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

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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.

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Penicillium brev-compactum* (ATCC® 9056™)