

Outlineoffungi.org - Note 1123 *Cryonesomyces*

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Cryonesomyces Unter. & Réblová

Cryonesomyces is a monotypic genus with an uncertain placement, and a four-gene phylogeny placed it within *Vandijckellaceae* having a poor support (Untereiner et al. 2019). *Cryonesomyces dreyfussii* is a psychrotolerant, phialophora-like species known as a single strain isolated from the moss in Antarctica. In culture, it produces phialides that are hyaline, cylindrical to ampulliform and tapering toward the apex with cylindrical or cup-shaped collarettes, occurring singly and arising from hyphae or sparingly and basitonously branched conidiophores. The phialides give rise to conidia that are hyaline, clavate to ellipsoidal, with truncate bases, forming chains or accumulating in small groups at the phialide apices.

Reference

Untereiner WA, Yue Q, Chen L, Li Y et al. 2019 – *Phialophora* section *Catenulatae* disassembled: New genera, species, and combinations and a new family encompassing taxa with cleistothecial ascomata and phialidic asexual states. *Mycologia* 111(6), 998–1027. <https://doi.org/10.1080/00275514.2019.1663106>

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