

Outlineoffungi.org - Note 656 *Stereodiscus*

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Stereodiscus Rajchenb. & Pildain

This is a resupinate, discoid to stereum-like genus living on dead branches of angiosperms and causes white rot ([Rajchenberg et al. 2021](#)). Phylogenetic analyses based on ITS and LSU indicated its phylogenetic position in *Stereaceae* ([Rajchenberg et al. 2021](#)). Results also demonstrated its sister relationship with *Gloeosoma* receiving significant support from both bootstrap and posterior probabilities ([Rajchenberg et al. 2021](#)). The type species is *Stereodiscus antarcticus* ([Rajchenberg et al. 2021](#)). *Stereodiscus* produces smooth, thin-walled, cylindrical, broadly ellipsoid to citriform, amyloid basidiospores up to 25 µm long and produce a white to cream spore print ([Rajchenberg et al. 2021](#)). Species lack any of the typical cystidia in *Aleurodiscus sensu lato*, i.e., acanthocystidia, acanthophyses, gloecystidia, and dendrohyphidia, but skeletocystidia are present in three species (*S. antarcticus*, *S. parmuliformis* and *S. trivialis*) ([Rajchenberg et al. 2021](#)). The hyphal system is monomitic with simple-septate hyphae, except in the recently described *S. patagonicus* (as *Aleurodiscus*), which features scattered clamps on the hyphae and at the bases of basidia ([Rajchenberg et al. 2021](#)). The asexual morph is unknown. The latter feature probably explains why *S. patagonicus* is phylogenetically sister to the four other known species ([Rajchenberg et al. 2021](#)). The genus holds presently five species (mostly recombined from the genus *Aleurodiscus*), and is known only from the Southern Hemisphere (Argentina, Chile, Australia, and New Zealand) ([Rajchenberg et al. 2021](#)). There are five species in this genus. *Stereodiscus* is currently placed in *Stereaceae*, *Russulales*, *Agaricomycetes*, *Basidiomycota*.

Reference

Rajchenberg M, Pildain MB, de Errasti A, Riquelme C et al. 2021 – Species and genera in *Aleurodiscus sensu lato* as viewed from the Southern Hemisphere. *Mycologia* 113(6), 1264–1277. <https://doi.org/10.1080/00275514.2021.1940671>

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Published online 7 December 2022