

Outlineoffungi.org - Note 1406 *Multisporidea*

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Multisporidea Kalb & Aptroot

Kalb & Aptroot (2021) erected *Multisporidea* to accommodate *Multisporidea nitida* Kalb & Aptroot according to morphology. Another introduced species is *Multisporidea conidiophora* Aptroot (Aptroot et al. 2022). The type species, *Multisporidea nitida*, was found on the tree bark in rain forest remnant in Réunion (Kalb & Aptroot, 2021). Pycnidia has not been observed. The thallus is described as being dull, whitish to pale pinkish brown, with a thickness ranging from about 0.05 to 0.1 mm and sometimes bordered by a black hypothallus up to 0.3 mm wide. The algae present are chlorococcoid. The apothecia are sessile, with a strongly narrowed base, varying in shape from turbinate to almost having a stalk, and can be round or irregularly lobate. They are typically found individually or in dense clusters with some connecting discs. The disc is initially flat and glossy, later becoming somewhat convex and chocolate brown, without a powdery coating. The edge is dark chocolate brown to black, slightly raised compared to the disc, glossy, with a wavy appearance and noticeable warty ornamentations. The excipulum is dark brown and connects to a thin dark brown hypothecium. The epihymenium is brown and up to approximately 15 µm high, while the hymenium has a slight brownish tint and is around 125 µm high. The ascus has a thickened tip with a small central tubular amyloid structure above the ascospores, resembling the *Malmideaceae*-type. Ascospores are produced in numbers ranging from 16 to 32 per ascus, globose, and hyaline, with a wall thickness and lacking appendages or a gelatinous sheath (Kalb & Aptroot, 2021). The taxonomic placement of this genus is *Malmideaceae*, *Lecanorales*, *Lecanoromycetidae*, *Lecanoromycetes*, *Pezizomycotina*, and *Ascomycota* (Kalb & Aptroot, 2021; Aptroot et al. 2022).

References

- Aptroot A, de Souza MF, dos Santos LA, Junior IO, et al. 2022 – New species of lichenized fungi from Brazil, with a record report of 492 species in a small area of the Amazon Forest. *The Bryologist* 125(3), 435– 67.
- Kalb K, Aptroot A. 2021 – New lichens from Africa. *Schummei Mozartstr. 9, 73117 Wangen*; Nov 27.

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