

Outlineoffungi.org - Note 718 *Psilochaete*

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Psilochaete Spirin & V. Malysheva

This is a monotypic genus found on rotten wood of *Ulmus glabra* (saprotrophic) ([Spirin et al. 2019](#)). Phylogenetic analyses based on ITS, LSU and *tefl* indicated its phylogenetic position in *Auriculariales* (*Agaricomycetes*, *Basidiomycota*) ([Spirin et al. 2019](#)). The type species is *Psilochaete multifora* Spirin & V. Malysheva, and have been only collected once in Norway ([Spirin et al. 2019](#)). The genus is characterized by effused, smooth, reticulate, semitranslucent, thin basidiomata, monomitic hyphal structure, clamped, thin-walled hyphae ([Spirin et al. 2019](#)). Cystidia abundant, clavate to skittle-like, thin-walled ([Spirin et al. 2019](#)). Hyphidia present, crystal aggregations absent ([Spirin et al. 2019](#)). Basidia are 4-celled, globose, sessile or with a strongly reduced stipe ([Spirin et al. 2019](#)). Basidiospores broadly cylindrical to narrowly ellipsoid ([Spirin et al. 2019](#)). The asexual morph is not known.

Reference

Spirin V, Malysheva V, Miettinen O, Vlasák J, Alvarenga RLM, Gibertoni TB, Ryvarden L, Larsson KH. 2019 – On *Protomerulius* and *Heterochaetella* (*Auriculariales*, *Basidiomycota*). *Mycological Progress* 18(9), 1079–1099.
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