

Outlineoffungi.org - Note 1005 *Neoconidiobolaceae*

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Neoconidiobolaceae X.Y. Liu, Stajich & K.T. Hodge

Neoconidiobolaceae was erected by Gryganskyi et al. (2022) to accommodate *Neoconidiobolus* B. Huang & Y. Nie as the type genus based on the morphological characteristics and phylogenetic analysis. The type species of this family is *Neoconidiobolus thromboides* (Drechsler) B. Huang & Y. Nie. The type species was isolated from leaf mould in USA. Mycelia are hyaline. Primary conidiophores are simple or sometimes branched. Primary conidia are multinucleate, and hyaline. Replicative conidia are similar and smaller than primary conidia. Chlamydospores are globose. Zygosporangia are globose to ellipsoidal in shape, smooth, and hyaline. The species of *Neoconidiobolaceae* resembles those of the *Conidiobolaceae* by not having microconidia and capilliconidia. The taxonomic placement of *Neoconidiobolaceae* is in *Entomophthorales*, *Zoopagomycota*.

Reference

Gryganskyi, A. P., Nie, Y., Hajek, A. E., Hodge, K. T et al. 2022 – The Early Terrestrial Fungal Lineage of *Conidiobolus*-Transition from Saprotroph to Parasitic Lifestyle. *Journal of fungi* 8(8), 789. <https://doi.org/10.3390/jof8080789>

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