

*Phaeophleospora hymenocallidicola*



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***Phaeophleospora hymenocallidicola* Crous, sp. nov.**

*Etymology.* Name reflects the host genus *Hymenocallis*, from which the species was isolated.

*Classification* — *Mycosphaerellaceae*, *Capnodiales*, *Dothideomycetes*.

*Conidiomata* erumpent, eustomatic, globose, up to 300 µm diam, exuding a white globose conidial mass; wall of 3–6 layers of brown *textura angularis*. *Conidiophores* reduced to conidiogenous cells. *Conidiogenous cells* tightly aggregated, lining the inner cavity, ampulliform, pale brown to subhyaline, smooth, with long neck and numerous clearly visible percurrent proliferations along the length of the neck, 6–14 × 3–4 µm. *Conidia* hyaline, smooth, solitary, ellipsoid, straight or slightly curved, apex obtuse, base truncate, biguttulate or not, aseptate, (3–)4(–6) × (1.5–)2(–3) µm.

*Culture characteristics* — Colonies spreading, erumpent with moderate aerial mycelium, and smooth, lobed margin, reaching 30 mm diam after 1 mo at 25 °C. On MEA surface olivaceous grey with pale olivaceous grey in outer region, reverse iron grey with diffuse cinnamon pigment. On PDA surface pale olivaceous grey, reverse olivaceous grey with diffuse cinnamon pigment. On OA surface with whitish aerial mycelium but prominently red due to diffuse pigment.

*Typus.* THAILAND, Pakbia Island, on leaves of a fern, 14 Aug. 2014, *P.W. Crous* (holotype CBS H-22242, culture ex-type CPC 25014 = CBS 139912; ITS sequence GenBank KR476739, LSU sequence GenBank KR476772, MycoBank MB812457); CPC 25015.

*Notes* — *Phaeophleospora hymenocallidicola* (conidia 3–6 × 1.5–3 µm) is related to *P. hymenocallidis* (conidia 6–12 × 1.5–2 µm), although morphologically distinct from that species, having aseptate, ellipsoid, smaller conidia. Both species are atypical members of the genus *Phaeophleospora*.

*Colour illustrations.* Fern growing on tree in Pakbia Island; symptomatic leaf; colony sporulating on PDA; conidiogenous cells and conidia. Scale bars = 10 µm.