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Ramichloridium eucleae Crous & van der Linde, sp. nov.

Etymology. Named after the host genus from which it was isolated, Euclea.

Mycelium consisting of branched, septate, smooth, pale brown, 1.5–2 μm diam hyphae. *Conidiophores* dimorphic, arising from hyphae. *Microconidiophores* reduced to conidiogenous cells, erect, pale to medium brown, 7–20 × 3–4 μm. *Macroconidiophores* erect, straight to flexuous, 1–4-septate, 40–90 × 2.5–3 μm, unbranched, medium brown, smooth, basal cell lacking rhizoids, 4–7 μm diam. *Conidiogenous cells* terminal, integrated, pale to medium brown, smooth, containing whorls of denticle-like loci in swollen regions of the conidiogenous cell, denticles 0.5 μm long, 1 μm diam, darkened and somewhat refractive, 20–40 × 2–3 μm. *Conidia* solitary, fusoid-ellipsoid, medianly 1-septate, guttulate, pale to medium brown, covered in muricate ornamentation, (9–)13–14(–15) × (4–)5 μm; basal hilum darkened, refractive and thickened.

Culture characteristics — Colonies reaching 7 mm diam after 2 wk at 22 °C. On MEA surface erumpent, with sparse aerial mycelium, lobed margins; surface olivaceous-grey, reverse iron-grey. On OA pale olivaceous-grey with diffuse red zone. On PDA pale olivaceous-grey.

Typus. South Africa, North West Province, Magaliesberg/Hekpoort District, Shelter Rock hiking trial, off R560, S25°50'16.2" E27°39'16.0", on leaves of Euclea undulata (Ebenaceae), 27 July 2013, E.J. van der Linde (holotype CBS H-21714, culture ex-type CPC 23551 = CBS 138000; ITS sequence GenBank KJ869155, LSU sequence GenBank KJ869212, Myco-Bank MB808938).

Notes — The genus *Ramichloridium*, together with species of *Dissoconium* represent the *Dissoconiaceae* (*Capnodiales*; Crous et al. 2009a, Li et al. 2012), to which *R. eucleae* is allied. *Ramichloridium apiculatum* ($3-7.5\times2-4~\mu m$) and *R. indicum* ($5-10\times4-9~\mu m$) are distinct from *R. eucleae* in that they have much smaller conidia (Arzanlou et al. 2007).

ITS. Based on a megablast search of NCBIs GenBank nucleotide database, the closest hits using the ITS sequence are Ramichloridium apiculatum (GenBank JN850989; Identities = 490/532 (92 %), Gaps = 15/532 (2 %)), Dissoconium proteae (GenBank EU707897; Identities = 553/604 (92 %), Gaps = 19/604 (3 %)) and Ramichloridium indicum (GenBank EU041799; Identities = 477/523 (91 %), Gaps = 13/523 (2 %)).

LSU. Based on a megablast search of NCBIs GenBank nucleotide database, the closest hits using the LSU sequence are Ramichloridium luteum (GenBank JQ622099; Identities = 825/835 (99 %), no gaps), Ramichloridium apiculatum (GenBank GU214687; Identities = 868/880 (99 %), no gaps) and Ramichloridium indicum (GenBank EU041856; Identities = 836/848 (99 %), no gaps).

Colour illustrations. Euclea undulata habitat in South Africa; conidiophores and conidia in culture. Scale bars = 10 um.