

***Porina deminuta*** P. M. McCarthy

*Lichenologist* 32: 21 (2000). Typus: Cook Islands, Rarotonga, Te Kou track, Takuvaine Stream, 21°14'S, 159°46'W, alt. c. 80 m, on deeply shaded, semi-aquatic basalt, 7 June 1998, P. M. McCarthy 1262 (Holotypus: WELT).

*Thallus* epilithic, effuse to determinate, medium green, smooth to verruculose, usually dull, (15–)25–40(–60)  $\mu\text{m}$  thick, continuous to rimose or areolate, somewhat gelatinous when wetted, ecorticate, heavily impregnated with minute rock fragments and crystals, K–. *Areolae* plane, angular, 0.2–0.4 mm wide. *Algae Trentepohlia*; cells 6–12  $\times$  6–10  $\mu\text{m}$ . Hyphae c. 2  $\mu\text{m}$  wide. *Prothallus* not apparent. *Basal layer* absent.

*Perithecia* semi-immersed to superficial, moderately numerous, convex, hemispherical, subconical or subglobose. *Perithecial apex* rounded. *Ostiole* inconspicuous. *Involucrellum* (0.14–)0.18(–0.25) mm diam. [n = 57], glossy black in surface view, dark olive-brown or purple-black in thin section, 20–40  $\mu\text{m}$  thick, K–, contiguous with the excipulum and extending to excipulum-base level, not or scarcely overgrown by the thallus. *Centrum* globose to depressed-ovate, 0.1–0.15 mm diam. *Excipulum* uniformly hyaline or slightly darker towards the ostiole, 10–15  $\mu\text{m}$  thick. *Subhymenium* c. 10  $\mu\text{m}$  thick. *Paraphyses* unbranched, c. 1  $\mu\text{m}$  wide. *Periphyses* absent. *Asci* elongate-cylindrical or obclavate, with a rounded or subtruncate apex and a distinct apical chitinoid ring turning orange-red in Congo Red, 75–90  $\times$  10–16  $\mu\text{m}$  [n = 5]. *Ascospores* colourless, 7-septate, fusiform, mostly elongate-fusiform, occasionally elongate-cylindrical, straight, slightly curved or faintly sigmoid, with rounded to subacute ends, irregularly biseriate in the asci, (20–)26(–30)  $\times$  (4.5–)6(–8)  $\mu\text{m}$  [n = 100]; gelatinous sheath 0.5–1(–2)  $\mu\text{m}$  thick; contents clear.

*Conidiomata*: not seen.