Porina wolseleyae P. M. McCarthy

Typus: Thailand, Nakhon Nayok, Khao Yai National Park, Khao Kiew, near cliffs, c. 100 m below road to summit, alt. c. 1300 m, on deeply shaded semi-aquatic sandstone, 4 November 1997, P. M. McCarthy T23/97 (Holotypus: CANB).

Thallus epilithic, effuse to determinate, non-rimose, matt to slightly glossy, ± smooth to minutely uneven, pale to medium grey-green, c. 20 µm thick, pulpy, translucent and deep green when wetted, ecoricate, K-. Algae Trentepohlia; cells 6–14 × 5–11 µm. Hyphae 2–3 µm wide. Prothallus not apparent. Basal layer absent.

Perithecia sparse to moderately numerous, solitary, superficial, subglobose, often attenuated at the base, dark grey-green to black, dull, often partly to almost completely overgrown by a 10–20 µm thick thalline layer. Perithecial apex usually rounded, occasionally somewhat flattened or pointed; ostiole inconspicuous, frequently slightly paler than the surrounding involucrellum. Involucrellum green-black in thin section, lacking a purple tone, but becoming somewhat reddish in K, contiguous with the excipulum, incurred at the base but not completely enclosing it, (0.23–)0.31(–0.41) mm diam. [22], 20–30 µm thick at the apex, 25–40 µm thick at the base. Centrum subglobose, 0.17–0.27 mm diam. Excipulum uniformly dark greenish brown, 20–25 µm thick. Subhymenium 20–40 µm thick. Paraphyses simple to sparingly branched, c. 1 µm wide. Periphyses absent. Asci elongate-cylindrical to elongate-obclavate, 130–155 × 21–27 µm [16], with a subtruncate to rounded apex and a distinct, apical chitinoid ring (in Congo Red). Ascospores (5–)7(–9)-septate, broadly fusiform to fusiform-cylindrical, straight to faintly sigmoid, with subacute apices and a 1 µm thick wall, irregularly biseriate in the asci, or in a 2–3–2–1 formation (from base to apex), (28–)37.5(–56) × (8–)10(–12) µm [100], lacking a perispore; contents clear to guttulate.

Conidiomata not seen.

Porina wolseleyae inhabits deeply shaded, semi-aquatic sandstone in a seasonal creek running through montane rainforest in Khao Yai National Park, north-eastern Thailand.