

Heimioporus australis



Heimioporus australis © Pat Leonard

Cap: convex becoming planoconvex; 35 – 50 mm diameter; velutinous; dark red to red brown; margin slightly appendiculate.

Stipe: cylindrical to slightly clavate; 50 – 70 × 12 – 15 mm; ridged on upper third, some ridges flattened; covered in deep red pruina giving overall red appearance; base pale yellow to cream.

Pores: bright yellow, becoming pale orange; overlain with a maze like network; 2 – 3 per mm.

Flesh: yellow in cap and upper stipe, white below; unchanging.

Taste: not recorded.

Spore print: not recorded.

Spores: amygdaliform; 9.7 – 15.7 × 5.5 – 9.4 μm; average 12.2 ± 1.5 × 7.1 ± 1 μm, Q = 1.3 – 2.4, average Q = 1.7 ± 0.29; pitted, reticulate; brown in KOH.

Basidia: clavate; 25 – 35 × 10 – 13 μm; four spored.

Cheilocystidia: clavate to subcapitate; 20 – 35 × 10 – 15 μm.

Pileipellis: a trichoderm; clamp connections absent.

Substrate: sand.

Habitat: in wallum heathland with *Melaleuca quinquenervia*.

Notes: this collection fits well with Halling and Fechner's description of the species from Australia. It looks like a *Boletellus* but the odd striations at the top of the stipe seem to be distinctive. Confirmed by the reticulate pitted spores. Halling now confirms that this is not the same as the species in Japan.

Collections examined: PL17414, Coolum National Park, Pat Leonard, 5 Apr 2014.