

Russula sp 431107

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Russula sp 431107 © Pat Leonard

Cap: planoconvex then centrally depressed; up to 60 mm; glabrous with areolate patches; white then browning; margin sulcate tuberculate; up to ¼ peeling.

Stipe: cylindrical, sometimes narrowing at base and apex; 40 × 10 mm; glabrous; white.

Gills: adnate, cream.

Flesh: white, unchanging on exposure to air.

Taste: very slightly hot.

Chemical reactions: FeSO₄ on stipe: salmon; guaiac on stipe base: negative.

Spore print: pale cream, Ib.

Spores: ellipsoid to subglobose; 6.3 - 7.6 × 5.2 - 7 µm, average 7 (± 0.4) × 6.2 (± 0.5) µm, Q = 1.02 - 1.21, average 1.13 (± 0.06); weakly amyloid low catenate ridges and warts joined by connectives to form an almost complete reticulum.

Basidia: clavate; ± 50 × 10 µm; four spored.

Cheilocystidia: clavate, numerous; 40 - 55 × 8 - 12 µm; thin walled.

Pleurocystidia: similar to cheilocystidia.

Dermatocystidia: absent.

Pileipellis:

Habitat: growing singly in wet sclerophyll forest with *Eucalyptus*.

Notes: a medium sized white *Russula* characterised by numerous clavate cystidia and almost reticulate spores.

Collections examined: PL 431107; Maroochy Bushland Botanic Garden; Pat Leonard; 29 Nov 07.