

Russula sp 19708



Russula sp 19708 © Pat Leonard

Cap: applanate, to shallowly depressed; 35 - 40 mm diameter; minutely granular pruinose; brilliant reddish brown, ruby, greyish ruby (10D7, 12D8, 12D4); $\frac{1}{2}$ to $\frac{3}{4}$ peeling; margin entire.

Stipe: cylindrical to weakly clavate, hollow; 30 - 50 × 8 - 10 mm; glabrous; white with ruby tint towards base.

Gills: adnate to weakly adnexed; white to very pale cream; no lamellulae.

Flesh: white, unchanging on exposure to air.

Taste: mild.

Chemical reactions: FeSO₄ on stipe = salmon; guaiac on stipe base = nil.

Spore print: white, I b.

Spores: subglobose; 7 - 8.1 × 6.1 - 7.2 μ m, average 7.5 (\pm 0.34) × 6.5 (\pm 0.35) μ m, Q = 1.15 (\pm 0.09); amyloid spines to 1 μ m and short ridges with fine connectives forming a partial reticulum.

Basidia: clavate; 30 - 45 × 9 - 13 μ m, four spored.

Cheilocystidia: scarce, fusoid to clavate; 55 - 90 × 12 - 20 μ m, some mucronate.

Pleurocystidia: similar to cheilocystidia.

Dermatocystidia: absent, fucsinophyle hyphae may be present.

Pileipellis: trichoderm?

Habitat: singly in wet sclerophyll forest.

Notes: a very brightly coloured small *Russula*. May just be a colour form of *R.* sp 5. More collections needed. Appears to fruit late, both collections in wet years in July.

Collections examined: PL 19708, Maroochy Bushland Botanic Garden, Pat Leonard, 22 Jul 08; PL3712, Maroochy Bushland Botanic Garden, Pat Leonard, 17 Jul 2012.