

## *Russula* sp PL84310



*Russula* sp PL84310 © Megan Prance

**Cap:** applanate; to 15 mm diameter; velutinous, deep purplish red with a pink margin and almost black centre; less than  $\frac{1}{4}$  peeling, margin entire.

**Stipe:** flattened with a wider apex;  $20 \times 5$  mm; glabrous; pale pink at apex and base.

**Gills:** adnate; crowded; white; lamellulae absent.

**Flesh:** white, unchanging on exposure to air.

**Taste:** slightly hot.

**Chemical reactions:** FeSO<sub>4</sub> on stipe: salmon; guaiac on stipe base: nil.

**Spore print:** white.

**Spores:** broadly ellipsoid;  $7.7 - 8.8 \times 6.4 - 7.7$   $\mu\text{m}$ , average  $8.1 \pm 0.4 \times 6.9 \pm 0.4$   $\mu\text{m}$ ;  $Q = 1.08 - 1.27$ , average  $1.2 \pm 0.05$ ; blunt low amyloid warts and fine connectives forming a complete reticulum.

**Basidia:** clavate; four-spored;  $40 - 55 \times 10 - 12$   $\mu\text{m}$ ; sterigmata short,  $< 4$   $\mu\text{m}$ .

**Cheilocystidia:** fusoid;  $45 - 60 \times 8 - 12$   $\mu\text{m}$

**Pleurocystidia:** fusoid, thin-walled;  $30 - 50 \times 8 - 12$   $\mu\text{m}$ .

**Dermatocystidia:** absent.

**Pileipellis:** an irregular trichoderm.

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

**Notes:** a very small species, with a very brightly coloured cap and finely reticulate spores. May be the same as *R.* sp PL83310!

**Collections examined:** PL84310, Palmwoods National Park, Mt Tamborine, Megan Prance, 21 March 2010.