

## *Russula* sp PL 25410



*Russula* sp PL 25410 © Pat Leonard

**Cap:** Centrally depressed; to 80 mm diameter; glabrous, subviscid at first; greyish brown;  $\frac{1}{4}$  to  $\frac{1}{2}$  peeling; margin entire.

**Stipe:** Cylindrical; solid;  $40 \times 15$  mm, greyish.

**Gills:** decurrent, greyish brown, lamellulae present.

**Flesh:** solid greyish brown.

**Taste:** mild

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

**Spore print:** white.

**Spores:** ellipsoid;  $6.6 - 8.8 \times 5.9 - 7.5$   $\mu\text{m}$ , average  $7.7 \pm 0.55 \times 6.8 \pm 0.5$   $\mu\text{m}$ ,  $Q = 1.05 - 1.32$ , average  $1.14 \pm 0.075$ ; low amyloid warts and ridges and connective combine to form a weakly defined reticulum.

**Basidia:** clavate,  $35 - 50 \times 8 - 12$   $\mu\text{m}$ ; mostly 4-spored but a few 2-spored.

**Cheilocystidia:** fusiform;  $55 - 75 \times 7 - 10$   $\mu\text{m}$ , mostly mucronate apices.

**Pleurocystidia:** very numerous, fusiform,  $55 - 80 \times 8 - 10$   $\mu\text{m}$ , mostly mucronate apices.

**Dermatocystidia:** numerous, vermiform.

**Pileipellis:** an complex ixotrichoderm of hyphae and dermatocystidia interwoven.

**Habitat:** growing singly under *Eucalyptus microcorys* in wet sclerophyll forest.

**Notes:** a greyish *Russula* with decurrent gills does not appear to key out to any known species, more collections needed.

**Collections examined:** PL25410, Obi Obi Track, Baroon Pocket, Montville, P. Leonard, 6 April 2010.