

## *Russula* sp PL25410



*Russula* sp PL25410 © 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 × 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 × 5.9 – 7.5 μm, average 7.7 ± 0.55 × 6.8 ± 0.5 μm, Q = 1.05 – 1.32, average 1.14 ± 0.075; low amyloid warts and ridges and connectives combine to form a weakly defined reticulum.

**Basidia:** clavate, 35 – 50 × 8 – 12 μm; mostly 4-spored but a few 2-spored.

**Cheilocystidia:** fusiform; 55 – 75 × 7 – 10 μm, mostly mucronate apices.

**Pleurocystidia:** very numerous, fusiform, 55 – 80 × 8 – 10 μm, mostly mucronate apices.

**Dermatocystidia:** numerous, vermiform.

**Pileipellis:** a 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.