

*Russula* sp KS 2567

## Missing Image

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### *Russula* sp KS2567 © Katie Syme

**Cap:** convex, becoming centrally depressed at maturity; 16 – 57 mm diameter; greasy, sub viscid, minutely felty, more clearly so at margin; off white but soon becoming a dull ochraceous buff, then blackish brown to fuscous; margin entire, somewhat inrolled.

**Stipe:** cylindrical to somewhat tapering downwards; 5 – 23 × 2 – 5 mm; dry, dull, smooth, minutely felty; white at first bruising grey brown to blackish brown.

**Gills:** adnexed; moderately crowded; white, then browning and finally blackening; some anastomizing at margin; lamellulae present in to intercalated series.

**Flesh:** solid, white, rapidly blackening on exposure to air.

**Taste:** mild.

**Chemical reactions:** FeSO<sub>4</sub> on stipe: n.r.

**Spore print:** white.

**Spores:** broadly ellipsoid; 7 – 8.3 × 5.5 – 7 μm, average 7.8 ± 0.4 × 6.35 ± 0.4 μm, Q = 1.03 – 1.33, average Q = 1.23 ± 0.075; ornamentation of amyloid fine lines and small warts less than 0.5 μm high, sometimes forming a partial reticulum.

**Basidia:** narrowly cylindrical to narrowly clavate; occasionally septate, 40 – 60 × 7 – 10 μm, 2 and 4 spored, sterigmata 5 – 7 μm.

**Cheilocystidia:** occasional, fusiform, dextrinoid, with a mucronate or rostrate apex.

**Pleurocystidia:** occasional, fusiform; 40 – 50 × 6 – 9 μm; dextrinoid, with a mucronate or rostrate apex; clavate pseudopleurocystidia are numerous.

**Pileipellis:** a trichoderm of narrow 2 – 4 μm slightly irregular hyphae; brown with guttules of darker brown oily contents; dermatocystidia absent.

**Habitat:** growing in a small group under *Eucalyptus grandis* in wet sclerophyll forest.

**Notes:** This blackening *Russula* is similar to *R. aff albonigra* reported from W. Australia, the main difference being that there is no pink bruising.

**Collections examined:** KS 2567, Cootharaba, Kildey's Rd, Queensland, Katie Syme, 9 April 2011.