

## *Russula* sp 401107



*Russula* sp 401107 © Pat Leonard

- Cap:** broadly convex at first, later applanate to centrally depressed; 40 - 70 mm diameter; matt, becoming areolate; pinkish white (11A2) at first becoming pale brownish orange (5C5) when mature; margin striate to 1/3 radius; up to 3/4 peeling.
- Stipe:** cylindrical, slightly expanded at apex; hollow; 40 × 10 mm; glabrous; white.
- Gills:** adnate, white to creamy buff, many forked at margin.
- Flesh:** white, unchanging on exposure to air.
- Taste:** very slowly hot.
- Chemical reactions:** FeSO<sub>4</sub> on stipe: pale salmon; guaiac on stipe base: negative.
- Spore print:** pale cream, lb.
- Spores:** sub globose to ellipsoid; 6.6 - 9.2 × 6.5 - 7.3 μm, average 8 (± 0.8) × 7 (± 0.3) μm, Q = 1.01 - 1.26, average Q = 1.14 (± 0.07); spores with amyloid ridges and some warts forming an almost complete reticulum.
- Basidia:** narrowly clavate; 45 - 50 × 8 - 10 μm; four spored; slightly amyloid.
- Cheilocystidia:** clavate, a few with rostrate apices; 60 - 70 × 7.5 - 10 μm; slightly thickened walls.
- Pleurocystidia:** not clearly distinguished, narrowly clavate.
- Dermatocystidia:** present, vermiform; 40 - 60 × 4 - 5 μm; staining weakly in sulphovanillin.
- Pileipellis:** an ixocutis of interwoven hyphae.
- Habitat:** Growing in a small group in wet sclerophyll forest under *Eucalyptus*.
- Notes:** a quite robust pink capped *Russula* which is also distinguished by its white stipe and a slowly hot taste. This does not appear to be close to any of the species described by Cleland and Grgurinovic.
- Collections examined:** PL 401107, Maroochy Bushland Botanic Garden, Pat Leonard, 29 Nov 07.

