

## *Lactarius* sp PL14411



*Lactarius* sp PL14411© Pat Leonard

**Cap:** convex becoming centrally depressed; 30 – 50 mm diameter; glabrous, rugulose, matt; brown at first becoming rust, rusty tawny or brick; margin entire, somewhat in-rolled at first.

**Stipe:** cylindrical; 25 × 10 mm; glabrous, white to pale cinnamon.

**Gills:** adnate to subdecurrent; crowded; buff; bifurcating.

**Flesh:** firm, buff, becoming pale pink on exposure to air and on bruising.

**Milk:** brown hyaline with milky suspended floccules; staining gills brown.

**Taste:** mild.

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

**Spores:** cream; subglobose; 7.7 – 9.6 × 7 – 9.2 μm; average 8.8 ± 0.55 × 8.1 ± 0.65 μm, Q = 1.01 – 1.23, average Q = 1.09 + 0.07; ornamented with amyloid warts and broad ridges joined by fine connectives to form a lax reticulum.

**Basidia:** more or less cylindrical; 50 – 65 × 8 – 10 μm.

**Cheilocystidia:** narrowly fusiform with a mucronate apex; very thick walled; 70 – 85 × 8 – 11 μm; moderately dense.

**Pleurocystidia:** numerous, thick walled; lanceolate to fusiform; 75 – 90 × 8 – 11 μm; some with dextrinoid contents; a few with mucronate apices.

**Dermatocystidia:** absent.

**Pileipellis:** a cutis of interwoven hyphae.

**Habitat:** Coastal woodland with *Eucalyptus*, *Syncarpia* and *Allocasuarina*.

**Notes:** this rust to pale apricot *Lactarius* is distinctive on account of its brownish cloudy milk, not found in any other species so far described from Australia. It should be easy to recognise in the field.

**Collections examined:** PL14411, Yidney scrub, Fraser Island, Bill Egerton, 3 Apr 2011; PL18411, Yidney scrub, Fraser Island, Pat Leonard, 3 Apr 2011; PL33411, Tully Park, Girraween, Pat Leonard, 17 Apr 2011.

