

*Lactarius wirrabara*



*Lactarius wirrabara* © Fran Guard

**Cap:** convex, 30 – 60 mms diameter, glabrous, margin inrolled at first and sulcate, greyish-brown, pale sepia, (5D4),

**Stipe:** cylindrical, 30 – 50 × 5 – 12 mms, glabrous, concolorous with cap at apex, fading to almost white at base.

**Gills:** subdecurrent, arched, distant, intercalated in three series (but irregular so that some of the short lamellulae are missing), about 16 – 20 reach stipe.

**Flesh:** thin, white to faintly greyish brown.

**Milk:** watery white, staining the lamellae very pale pink in some specimens.

**Spores:** white, subglobose; 7.1 – 9.1 × 6.6 – 8.1  $\mu\text{m}$ , average  $8.1 \pm 0.5 \times 7.4 \pm 0.5$   $\mu\text{m}$ . Q = 1 – 1.16, average  $1.09 \pm 0.06$ ; with prominent amyloid ridges forming an almost complete reticulum; apiculus vertical prominent and almost triangular.

**Basidia:** clavate; 40 – 50 × 7.5 – 9  $\mu\text{m}$ , 4 spored; with granular yellowish contents, sterigmata 4 – 5  $\mu\text{m}$ .

**Cheiloystidia:** scarce, clavate; 50 – 60 × 10 – 12  $\mu\text{m}$ .

**Pleurocystidia:** absent; pseudopleurocystidia clavate, 30 – 35 × 5 – 6  $\mu\text{m}$ , some clumped in twos to fives.

**Pileipellis:** an oedotrichoderm, terminal hyphae

**Habitat:** growing singly in soil under *Eucalyptus pilularis*, in a rainforest setting.

**Notes:** In some specimens the milk stains the gills pink. It is not clear whether there are two similar species separated by this reaction.

**Collections examined:** PL 7308, Linda Garrett Park, Mapleton, 28 Mar 2008; PL50413, Arthur Harold reserve, Coolum, Great Sandy National Park, Pat Leonard, 12 Apr 2013