

## *Cystoderma* PL 53408



*Cystoderma* PL 53408 © Pat Leonard

**Cap:** convex to umbonate in young specimens becoming plano-convex to umbilicate in mature specimens; 20 - 40 mm diameter; orange red (8C8); surface viscid to dry; granular to felty; pigment rubbing off and staining paper/hands red, underlain with small squamules. White tissue seen between pigmented tissue.

**Stipe:** cylindrical, 40 × 2 - 8 mm; tough, orange red like cap but less viscid or dry; base sometimes bulbous, appears to be a mycelial ball trapping sand and soil particles; ring absent. Stem hollow in large specimens.

**Gills:** adnate with a decurrent tooth or subdecurrent; white to cream, 30 - 40 reaching stipe, intercalated with lamellulae.

**Flesh:** thin, white.

**Spore print:** white.

**Spores:** elliptical; 4.8 - 7 × 2.5 - 3.9 μm, average 6.2 ± 0.6 × 3.4 ± 0.36 μm, Q = 1.58 - 2.28, average 1.86 ± 0.22; smooth, amyloid.

**Basidia:** slenderly clavate, with 4 sterigmata and basal clamp.

**Cheilocystidia:** not seen.

**Pileipellis:** composed of globose and irregular cells, viscid with oily orange brown contents and interspersed with irregular hyphae with faint orange red pigmentation.

**Habitat:** Growing in woody litter in small groups in wet sclerophyll forest with *Eucalyptus grandis*.

**Notes:** this collection does not accord with any of the species of the genus *Cystoderma* so far recorded as occurring in Australia. The distinctive orange red colours and the granular surface of the cap which rubs off staining the collector's hands should make it easy to identify. May be a *Cystolepiota*!

**Collections examined:** PL 53408, Doggrell Track, Kin Kin, Pat Leonard, 13 Apr 08. SMF2602, Doggrell Loop, Kin Kin 6 Mar 2011 & KS2568 Doggrell Loop, Kin Kin, 10 Apr 2011.