

## *Hymenopellis* sp 3



*Hymenopellis* sp 3 © Ray Baxter

**Cap:** convex to plano convex; 60 mm diameter, dark brown to sepia (9F4, 9F3); velutinous; rugulose at apex; margin long inrolled.

**Stipe:** ventricose; 100 × 6 - 14 mm; white at apex becoming brown towards base; strongly radicating; glabrous, hollow.

**Gills:** adnexed with a strong decurrent tooth; white with a dark brown to sepia edge to the gill; thin, crowded.

**Flesh:** thin, 2-4 mm depth, cream; unchanged by exposure to air.

**Spores:** white, globose; 14 - 15.5 × 13 - 15 μm; Q = 1.02; thick walled; with guttules.

**Basidia:** narrowly clavate, four-spored,

**Cheilocystidia:** lageniform, 70 - 80 × 17.5 - 22.5 μm with dark brown contents which form the dark gill edge; gill edge completely sterile.

**Pleurocystidia:** utriform, 55-65 × 20-25 μm.

**Pileipellis:** clavate and ovoid dark brown cells in supra-pellis over a confused, gelatinised cutis structure, some very dark cylindrical cells present, but they are not setae.

**Habitat:** found in rain forest dominated by a canopy of *Araucaria bidwillii*.

**Notes:** The combination of globose spores and distinctive cheilocystidia and pleurocystidia suggest that this is an undescribed species. It is easily recognised in the field by its white gills with a dark brown edge.

**Collections examined:** QMSP36, Paradise Falls Track. Bunya Mountain National Park, Patrick Leonard, 28 March 2009.