

Hymenopellis trichofera



Hymenopellis trichofera © Pat Leonard

Cap: campanulate becoming plano convex with a broad umbo; 35 - 90 mm diameter; viscid; rugulose; umbo rich brown (6D7), remainder of cap paler, blond brown (5C4).

Stipe: cylindrical with a thickened band just below soil level, then radicate below; 150 × 8 mm; white, then browning with age; glabrous, dry.

Gills: white, adnexed with a decurrent tooth; lamellulae intercalated in 3 series.

Flesh: off white, thin, 2 mm at apex.

Spores: white; subglobose, with a partially thickened wall; 10.5 - 12.5 × 11 - 12 μm, Q = 1.1.

Basidia: clavate, four-spored, 50 × 20 μm.

Cheilocystidia: narrowly utriform, thin walled, variable in size, 50 - 100 × 8-12 μm.

Pleurocystidia: clavate, very thick walled, 35-40 × 18-22 μm, staining strongly in congo red.

Pileipellis: a hymeniderm of ovoid and subcapitate pedunculate cells 8 - 10 × 3 - 4 μm; gelatinised, and hyaline cuticular hairs.

Habitat: isolated specimens in open dry sclerophyll and rain forests.

Notes: This fungus has been collected previously in the Bunya Mountains and recorded as *X. radicata*. The utriform cheilocystidia and small globose spores are distinctive.

Collections examined: PL9309, Peach Trees, Jimna State Forest, P. Leonard, 19 March 2009, QMS P39, Paradise Falls Track, Bunya Mountains National Park, Noreen Baxter, 28 March 2009.