

## *Bolbitius variicolor*



*Bolbitius variicolor* © Ray Baxter

**Cap:** convex to campanulate; 25 mm diameter; pale citrine yellow, olive to yellow brown, becoming grey on drying; very viscid, trapping debris; small umbo brown, becoming more prominent with age; margin distinctly striate.

**Stipe:** cylindrical, 40 × 3 mm; glabrous or minutely floccose (under stereo); bright yellow and remaining yellow straw on drying.

**Gills:** free; intercalated with one set of lamellulae, quite crowded, 30 +, pale yellow becoming cream, then red brown as spores mature.

**Flesh:** thin, bright yellow, unchanging on exposure to air.

**Spore print:** tobacco brown to rust.

**Spores:** ellipsoid; 10.5 – 12.5 × 7.5 – 9.5 µm; smooth; with a germ pore.

**Basidia:** short, clavate to almost globose with a short base, four spored.

**Cheilocystidia:** lageniform with a broad rounded apex;

**Pleurocystidia:** not seen.

**Pileipellis:** rounded cells with some intermixed hyphae.

**Habitat:** growing in frass made by borers at the base of a small tree in an *Araucaria* dominated rainforest.

**Notes:** this small fungus with an olive yellow viscid cap and yellow stipe with rust coloured spores may be identifiable in the field, but microscopically the ellipsoid spores with a germ spore and short almost spherical basidia help confirm its identity. This appears to be the only record for Australia.

**Collections examined:** QMS P43, Paradise Falls Track, Bunya Mountains National Park, Patrick Leonard, 28 Mar 09.