

Bolbitius sp PL81008



Bolbitius sp PL81008 © Jon Atkinson

Cap: broadly convex becoming applanate; 20 mms diameter; very viscid and slightly wrinkled; pale brown to olivaceous brown (4C5, 4D5, 3C5).

Stipe: cylindrical with sub bulbous base; 35 – 40 mms; white, minutely floccose giving a snakeskin effect.

Gills: deeply adnexed to free; pinkish buff at first gradually becoming rusty brown as the spores mature.

Flesh: white, very thin, translucent.

Spore print: rusty brown.

Spores: ellipsoid, some flattened on one side; $10 - 12 \times 5 - 6 \mu\text{m}$; with a germ pore.

Basidia: subcapitate; $10 \times 25 \mu\text{m}$; mostly four spored, but occasional two spored seen.

Cystidia: subcapitate; $15 - 20 \times 7.5 - 10 \mu\text{m}$.

Pileipellis: a gelatinised cutis.

Habitat: Growing singly on rich humus on a very rotten log in damp rainforest, no dung.

Notes: Distinguished from *B. tibubans* by olivaceous brown cap colour, narrower spores and subcapitate cystidia, this does not seem to conform to any of the *Bolbitius* species described for Queensland. A similar fungus has been found in the Lamington National Park with a more strongly olivaceous cap, growing in a similar habitat. Probably undescribed.

Collections examined: PL 81008, Cunningham's Gap, Jon Atkinson, 25 Oct 08.