

Humidicutis arcohastata



Humidicutis arcohastata © Pat Leonard

Cap: conical to convex with a broad umbo; 20 - 50 mms diameter; olive green (2D7), lime green (2B6) with a brown (6D4) umbo, some purple tints, becoming orange brown at maturity; smooth, slightly viscid; margin striate.

Stipe: cylindrical with tapering base; 25 - 50 × 3 - 5 mm; lime green (2B7) with a white base; smooth glabrous; waxy.

Gills: adnexed with a decurrent tooth; yellow with a lime green tint becoming pale orange; 20 to 24 reaching stipe; lamellulae in one to three series.

Flesh: thin, lime green, unchanging.

Spore print: white.

Spores: ellipsoid; 7.5 - 9.5 × 5 - 6 μm; Q = 1.5.

Basidia: clavate; 40 - 55 × 7 - 9 μm; four spored.

Cheilocystidia: absent.

Dermatocystidia: absent.

Pileipellis: an ixocutis of cylindrical hyphae.

Habitat: growing amongst moss on decomposing logs in rainforest.

Collections examined: PL 32408, Linda Garrett Forest Park, Mapleton, April 2008; AQ796209, Linda Garrett Forest, Mapleton N. P., Pat Leonard, 16 Apr 2012.

Notes: this was the first Queensland collection of this fungus previously only known from Victoria. It is easy to recognise because of the colour combinations involving yellows, olives and lime greens, with a brown umbo.