

Inocybe luteo-olivacea



Inocybe luteo-olivacea © Megan Prance

Cap: convex; 21 mm diameter; radially fibrillose; red brown fibrils overlay a yellow to tan base; margin entire; peeling $\frac{3}{4}$ of radius.

Stipe: cylindrical with a sub-bulbous base, hollow; 30 – 35 × 5 – 7 mm; glabrous; yellow.

Gills: sinuate to adnexed; bright yellow with a paler edge, lamellulae absent.

Flesh: thin, pale yellow.

Spore print: clay brown.

Spores: ellipsoid; 6.1 – 8.8 × 4.3 – 5.8 μm , average 6.9 ± 0.8 × 5 ± 0.4 μm , Q = 1.2 – 1.66, average Q = 1.4 ± 0.14; thick walled, smooth.

Basidia: more or less cylindrical; 30 – 37 × 6 – 7.5 μm ; two and three spored (?) with fine sterigmata to 4 μm .

Cheilocystidia: lageniform and sphaeropedunculate; 45 – 75 × 18 – 25 μm ; thin walled.

Pileipellis: a cutis of yellow brown repent hyphae to 10 μm wide with clamps present.

Substrate: growing in soil.

Habitat: dry sclerophyll forest dominated by Eucalypts.

Notes: a striking yellow smooth spored *Inocybe* agrees with Matheny and Bougher's newly described *I. luteo-olivacea*.

Collections examined: CH019, Chermside Hills Nature Reserve, Brisbane, Susan Nelles, 31 Mar 2012.