

Austroboletus yorkae



Austroboletus yorkae © Roy Halling

Cap: convex to plano-convex to plane; 25–50 mm diameter; dry, to very slightly tacky at first; tomentose, sometimes densely so, to matted tomentose; amber yellow (4B6,5,4); margin neither appendiculate nor retracted.

Stipe: cylindrical but tapered at base; 25–50 × 6–15 mm; dry, coarsely alveolate-reticulate, white, developing orange stains at base and some pale brown stains at base with handling.

Pores: adnexed, pale pink when young, vinaceous pink with age, bruising slightly brownish.

Flesh: white, unchanging or some slow browning.

Taste: mild.

Spore print: not recorded.

Spores: ellipsoid to subfusoid; $11.9\text{--}16.8 \times 4.9\text{--}7\text{ }\mu\text{m}$, average 13.72×5.93 , $Q = 2.31$; hyaline in KOH, lightly dextrinoid in Melzer's; with distinct ornamentation of perforations at the centre.

Basidia: clavate; $30\text{--}40 \times 10\text{--}12\text{ }\mu\text{m}$; hyaline, 4-spored.

Cheilocystidia: scarce; fusiform to subfusiform; $30\text{--}45 \times 7\text{--}10\text{ }\mu\text{m}$; hyaline, thin-walled.

Pleurocystidia: not observed.

Pileipellis: a trichoderm of erect tangled hyphae 4–7 μm wide.

Habitat: Gregarious on soil in dry sclerophyll woodland with *Corymbia intermedia*, *Eucalyptus resinifera*.

Notes: known from a single collection in northeast Queensland, this species cannot confidently be distinguished from *A. eberneus* in the field. It would appear that *A. yorkae* has a more contrasting colour difference between cap and stipe than *A. eberneus*, but many collections of the latter have demonstrated that it can be quite colour variable.

Collections: AQ1024215, Yourka Bush Heritage Reserve, near Junction Themeda Track, northeast Queensland, Roy Halling, 19 Mar 2019.