

Marasmius elegans (Cleland) Grgur.



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Cap: 12-20 mm diameter, broadly convex to applanate, sienna(11) to rust(13), dry smooth.

Stipe: 20-40 x 2-3mm, cylindric, hollow, rusty tawny(14) base, cream at apex. Lower half stipe coloured. Large, white "star" shaped mycelial mat at base (not seen in this image)

Lamellae: cream, crowded, with 2-3 tiers lamellulae, narrow, non-marginate, free.

Flesh: thin white

Spores: inamyloid, smooth, ellipsoid, average 9.5 x 5 mu, $Q_{av}=1.86$, range 8.5-10.5 x 4-6mu, $Q_{min}=1.54$, $Q_{max}=2.27$

Basidia: 2 and 4-spored, 27 x 8mu.

Pleurocystidia: absent

Cheilocystidia: Siccus type broom cells, clavate to cylindric, occasionally branched once, body 14-20 x 6-9 mu, setulae 3-7 (-10) x 1-1.5 (-2) mu, thick-walled and refractile, occasionally thick walls extend down sides of body approx. one-third.

Pileipellis: Hymeniderm of Siccus type broom cells, cylindric, clavate to inverted cone shape, body 14-20 x 6.5-10.5mu, setulae 1.5-5.5 x 1-1.5, thick walled, refractile.

Stipe: parallel hyphae 4.5-7mu diameter, no caulocystidia, dextrinoid and clamp connctions present.

Substrate: leaf litter

Habitat: rainforest and wet sclerophyll forest

Collections examined: QMS025LG, 9/3/19, collector Frances Guard, location Linda Garrett NP

Notes: This is a typical *M.elegans* of SEQ. Microscopic details differ from description in Grgurinovic p.250, where she states there are no cystidia, and pileipellis broom cells are different. It is very similar to the *M.aff. elegans* from FNQ, which has an entirely white stipe and cross venations.