

Marasmius aff. *leucorotalis*



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Cap: 2–5 mm, convex to parabolic, white, dimpled with dark central spot, surface dry dull, minutely pruinose, sulcate-striate, margin becoming smooth and everted with age.

Stipe: 10–15 × <0.5 mm, thin, wiry, black base and trunk, pale apex, smooth, insititious insertion into substrate.

Lamellae: distant, 10–12, with rare lamellulae, adnate to a collar, white.

Spores: smooth, clavate, inamyloid, average 8 × 3.5 µm, $Q_{av} = 2.29$, range 7.5–9 × 3.5–4.5 µm, $Q_{range} = 1.8–2.54$.

Basidia: one 4-spored seen.

Pleurocystidia: absent.

Cheilocystidia: abundant *Rotalis*-type cells, subclavate, average 17 × 12 µm, upper half covered in divergent setules 1–2 × 0.5–1.5 µm.

Pileipellis: palisade of *Rotalis*-type cells, clavate to sub-globose, 14.5–20.5 × 9–20 µm, with divergent setules, 1–2.5 × 1 µm.

Substrate: leaf and twig litter.

Habitat: in brush turkey mound under regenerating subtropical rainforest.

Collections examined: QLD, Maleny, Dilkusha NR, 24 Apr. 2019, *F.E. Guard*, F2019022 (MEL2469584); same location and collector, 14 Feb. 2020, *F.E. Guard*, F2020027, (BRI AQ1017494); 29 Feb. 2020, F2020040 (BRI AQ); 10 Apr. 2020, F2020046 and F2020048; near Lot 3 under bunya trees, 18 Dec. 2024, *F.E. Guard*, F2024020 (BRI AQ).

Notes: This tiny white, dimpled *Marasmius*, with gills adnate to a collar and with an insititious stipe is in sect. *Marasmius*, subsect. *Marasmius*, and is sister to *M. rotalis* from Republic of Korea and *M. leucorotalis* from Brazil. The morphological features of gills and spores are closer to *M. leucorotalis*, but it is a distinct species. More collections are needed as there are other similar white *Marasmius* in QLD.