

Marasmius koeae Desjardin & Hemmes 2020



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Cap: 1.5–4 mm diam., very pale cream, shell-shaped to hemispherical.

Stipe: absent; with lateral to almost dorsal attachment.

Lamellae: very sparse, 3–4, radiating from attachment, occasionally branching; occasional streak-like lamellulae.

Flesh: very thin, almost translucent.

Spores: elongate to fusoid, inamyloid, smooth, average $11.5 \times 4 \mu\text{m}$, $Q_{\text{av}} = 2.82$; range $10.5\text{--}12.5 \times 3.5\text{--}4.5 \mu\text{m}$, $Q = 2.5 - 3.04$.

Basidia: 4-spored; **basidioles** clavate or fusoid.

Pleurocystidia: absent.

Cheilocystidia: very common, broom cells transitional between *Siccus*- and *Rotalis*-types, with clavate, cylindric or globose bodies, often lobed with multiple, very short setules on lobes. Hymenial edge sterile.

Pileipellis: palisade of broom cells similar to cheilocystidia, thin-walled, with bunches of small setules, plus rare *Amyloflagellula*-type cells in one collection.

Substrate: tiny twigs of dead wood, once *Cryptocarya sclerophylla*.

Habit & Habitat: densely gregarious in monsoon forest and subtropical rainforest.

Collections examined: QLD, Maleny, Mary Cairncross Reserve, 2010, SMF2425, *S.J.McMullan-Fisher*, envt; NT, Howard Springs N.R., Rainforest Walk, 23 Jan. 2014, *M.D. Barrett et al.*, GMB590, MEL2382938; Howard Springs N.R., 23 Jan. 2014, *M.D. Barrett et al.*, MDB F86/14, MEL2382678; QLD, Maleny, Dilkusha NR., 17 Dec. 2024, *F.E. Guard*, F2024019.

Notes: This species is very like a *Campanella* but microscopy and DNA place it in *Marasmius* as *M. koeae*, described from Hawaii, despite that collection having brownish-yellow to clay-colour basidiomes and having larger spores (av. $13.5 \times 4.5 \mu\text{m}$) but only three observed. It is now in sect. *Globulares*, subsect. *Leonini*, ser. *Graminicolae*.