

## *Marasmius* sp ‘pink stripe Toowoomba’



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**Cap:** 10–15 mm diameter, cream to pale pink with rusty-tawny (14) to vinaceous-grey (80) central disc and grooves, convex with depressed central disc, sulcate-striate, some sulci partial forming V-shaped ridges, dry.

**Stipe:** 40–60 × 1–1.5 mm, rusty-tawny (14) base grading to almost white apex, glossy with small off-white mycelial pad at base.

**Lamellae:** distant, 9–12 full gills with 3–7 lamellulae, free, pinkish-cream, margin same colour.

**Flesh:** thin, cream.

**Spores:** inamyloid, narrowly clavate, curved, average  $19.5 \times 4.5 \mu\text{m}$ ,  $Q_{\text{av}} = 4.17$ , range  $18.5\text{--}21 \times 4\text{--}5 \mu\text{m}$ ,  $Q_{\text{min}} = 3.92$ ,  $Q_{\text{max}} = 4.55$ .

**Basidia:** 4-spored, plentiful, to  $34 \times 10 \mu\text{m}$ .

**Pleurocystidia:** absent.

**Cheilocystidia:** absent.

**Pileipellis:** consists of a hymeniderm of globose to spathulate shaped cells,  $17\text{--}30 \times 10\text{--}15 \mu\text{m}$ .

**Stipitipellis:** parallel hyphae.

**Substrate:** leaf litter.

**Habitat:** dry sclerophyll forest.

**Collections examined:** F2021093 collected in Hancock Street Park, Toowoomba, 22 Mar. 2021.

**Notes:** This *Marasmius* strongly resembles *M. musisporus*, and is also in sect. *Globulares*, subsect. *Atrorubentes*, ser. *Purpureostriati*, but differs in its smaller cap and spores, its lack of powdery bloom on the stem and large mycelial mat. Also, the habitat is different, being much dryer. DNA reveals that the two are sisters in the series.

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