

## *Amanita luteolovelata*



*Amanita luteolovelata* © S.J.M. McMullan-Fisher

**Cap:** convex, to plano-convex; 30–85 mm diameter; dry, smooth cap surface; grey with scattered patches of pulverant pale yellow velar remains, with a central hazel brown dot in the centre.

**Stipe:** cylindrical with swollen to bulbous base; 75 × 10 mm; cream to pale yellow to pale yellow-brown; squamulose; ring large, flared, pendulous and fragile pale yellow.

**Gills:** free, crowded; white to cream, with 4–5 tiers of lamellulae, margin concolorous

**Flesh:** white, stem maybe hollow.

**Spore print:** white.

**Spores:** broadly ellipsoid;  $8.7 \times 6.7 \mu\text{m}$ ,  $Q = 1.29$ ; amyloid, smooth.

**Basidia:** 4-sterigmata;  $30–40 \times 8.9–12 \mu\text{m}$ ; small sub-basidial cell slightly inflated.

**Cheilocystidia:** inflated globose to broadly pyriform cells;  $25–33 \times 23 \mu\text{m}$ .

**Pleurocystidia:** not observed.

**Clamp connections:** not observed.

**Pileipellis:** velar remains made up from abundant inflated globose cells ( $23–64 \mu\text{m}$ ) with a few thin-walled hyphae ( $3.6–8 \mu\text{m}$ ).

**Habitat:** very tall, open forest with *Eucalyptus pilularis* (blackbutt), *E. grandis*, *E. tereticornis* and *Eucalyptus microcorys* (tallowwood).

**Notes:** the pale-yellow, pulverant velar remains are characteristic and allow this species to be identified in the field.

**Collections examined:** 210015P005 from Linda Garrett Reserve, Mapleton, SEQ.