

*Amanita murina*



*Amanita murina* © Patrick Leonard

**Cap:** convex; 30–60 mm diameter; glabrous; dry; buff grey, dark in central 2/3rds, paler at margin; veil remnants scarce or absent.

**Stipe:** cylindrical, with a sub-bulbous base, hollow; 60–90 × 8–15 mm; glabrous; white; with a pendulous, flared white ring; volva saccate, white, free at top.

**Gills:** adnexed to free; crowded; white to very pale cream, margin concolorous; lamellulae in two series.

**Flesh:** thin, white.

**Spore print:** white.

**Spores:** subglobose to broadly ellipsoid; 7–8.6 × 6–7.8 µm, average 7.7 ± 0.4 × 6.9 ± 0.4 µm, Q = 1.05–1.25, average Q = 1.14 ± 0.08; smooth; amyloid.

**Basidia:** narrowly clavate; 35–45 × 9–12 µm; 4-spored.

**Pleurocystidia:** not observed.

**Pileipellis:** a cutis, clamps absent. Veil remnants composed mainly of narrow hyphae with a few inflated cells.

**Substrate:** sandy soil.

**Habitat:** in wet sclerophyll forest in the original native forest of the botanical garden, *Eucalyptus* species nearby.

**Notes:** a small, buff grey *Amanita*, with a ring and a free volva and subglobose amyloid spores is hard to separate from *A. murinaster*. The cap is faintly fibrillose rather than pellucid striate and a distinct membranous volva and a persistent ring. Wood suggests that the spores are more ellipsoid, but the value ranges overlap so this has proved to be a problematic character.

**Collections examined:** PL930425, Maroochy Bushland Botanic Gardens, Patrick Leonard, 11 Apr 2025.

