

CARDIOLUCINA Sacco, 1901

Sacco, 1901: 89 (June)

Type species *Cardium agassizi* Michelotti, 1839.
Original designation. Miocene, southern Europe.

Synonym *Bellucina* Dall, 1901 (August), type species
Lucina eucosmia Dall, 1901

Shells small (length to 20 mm), sub-circular, inflated to sub-spherical, robust. Sculpture of radial ribs crossed by commarginal lamellae that are often fluted. Lunule heart-shaped, can be deeply impressed. Hinge plate thick, teeth prominent, two cardinal teeth and anterior and posterior lateral teeth in both valves. Anterior adductor scar short, slightly detached from pallial line. Inner shell margin denticulate.

Cardiolucina is one of the most speciose of lucinid genera with sixteen known species, mainly from the Indo-West Pacific and recorded from intertidal to bathyal depths.

Description of type species

***Cardiolucina agassizi*.** **Shape** small L to 7 mm, sub-circular, moderately inflated, posterior margin quadrate

RIGHT

Figure 85. *Cardiolucina* species

Type species of genus

a–d. *Cardiolucina agassizi* (Michelotti, 1839). Mid Miocene, St Jean de Marsacq, France (MNHN). **a.** L 4.8 mm. **b.** L 5.7 mm. **c.** 9.7 m. **d.** 4.5 mm.

Atlantic species

e. *C. lamothei* (Dautzenburg, 1913) West Africa, Iles de Los, Conakry, Guinea (NMW.1955.158 o2168), L 3.5 mm. **f.** *C. rehderi* (Britton, 1972) Paratype, off Brazil (USNM 712451), L 5.0 mm.

Indo-West Pacific species

g. *Cardiolucina australopilula* Taylor & Glover, 1997. Denham, Shark Bay, Western Australia (NHMUK), L 14.1 mm. **h.** *C. australopilula* dorsal view, holotype (WAM 110-96) Houtman Abrolhos Islands, L 12.8 mm. **i.** *C. civica* (Yokoyama, 1927) Panglao, 2005 stn CP 2348, Philippines, 196–216 m (MNHN-IM-2016-1690), L 8.3 mm. **j.** *C. crassilirata* (Tate 1886) Westernport, Victoria, Australia (NHMUK 1963200), L 8.4 mm. **k.** *C. eucosmia* (Dall, 1901) Port Essington, Northern Territory, Australia (NHMUK 1963194/1 lectotype of *Lucina pisum* Reeve, 1850), L 8.8 mm. **l.** *C. macassari* (Prashad, 1932) Singapore (NHMUK 1963552), L 3.9 mm. **m.** *C. pisiformis* (Thiele, 1930) Bandicoot Bay, Barrow Island, Western Australia (WAM 268-94), L 3.2 mm. **n.** *C. quadrata* (Prashad, 1932) Panglao 2005, stn CP 2388, Philippines 762 m (MNHN-IM-2016-1631), L 11.9 mm. **o, p.** *C. rugosa* (Hedley, 1909) Panglao 2004, Philippines stn T6, (MNHN-IM-2016-1736), **o.** L 3.3 mm. **p.** right valve, L 2.8 mm.

