Flame shell, *Biomphalaria glabrata* (Say, 1818)

**Diagnostic features**

Shells medium sized, planispiral, biconcave, whorls evenly convex, rounded, angular or carinate, in some species the last whorl descends, sinistrally coiled. Almost flat to sunken spire; with relatively narrow to very wide shallow umbilicus, indented sutures. Aperture large, ovate to broadly lunate. Without columella twist. Animals have long slender tentacles and reddish blood that contains haemoglobin.

Copulatory organ: the penis has a long narrow sheath and a long narrow praeputium. Variable number of lobes on the prostate and presence of vaginal pouch, large number of diverticulae on the ovotestis. May or may not have an elongated renal ridge. Mesocone of the lateral teeth of the radula may be angular or non angular.

**Classification**

*Biompahalaria glabrata* (Say, 1818)

*Class* Gastropoda

*Subclass* Heterobranchia

*Order* Hygrophila

Superfamily Planorboidea

*Family* Planorbidae

*Subfamily* Planorbinae


*Type locality*: Incorrectly given as North Carolina but is probably from the Caribbean island of Guadeloupe, Lesser Antilles.

**Biology and ecology**

*Biomphalaria glabrata* inhabits small streams, ponds and marshes. It feeds on bacterial films, algae, diatoms and decaying plants.

*Biomphalaria glabrata* is capable of aestivating for a few months.

The freshwater snail *Marisa cornuarietis* is a predator of *Biomphalaria glabrata*: it feeds on its eggs, juvenile and adult snails.

**Distribution**

West Indies and northern South America. (The genus is distributed in the Americas, Africa, Madagascar and the Middle East. Introduced into Hong Kong and Romania).

**Further reading**


Notes
This species does not occur in Australia, but is mentioned here as it could be accidentally introduced. Biomphalaria is the most important and widely distributed intermediate host of Schistosoma mansoni, a blood fluke responsible for human intestinal schistosomiasis in Africa and the Americas.


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