

Pyrocystis noctiluca J.Murray ex Haeckel

Jenaische Z. Naturwiss. 25: 30 (1890)

Type locality: ?

Pyrocystis pseudonoctiluca Wyville-Thompson ex J.Murray, *Proc. Roy. Soc. London* 24: [533], pl. 21 (1876), *nom. inval.*, as *Pyrocistis*

Type locality: “open ocean”

Australian distribution: Gulf of Carpentaria/North-west Shelf, E coast (Qld, N.S.W.), Tasman Sea, Lord Howe Island, Vic., Tas., W.A. (Rottnest Island to Cape Inscription)

Extra-Australian distribution: Brazil, Gulf of Mexico, U.S.A. (California, Florida), Canada (Bay of Fundy), Canary Islands, North Atlantic Ocean, British Isles, North Sea, Mediterranean Sea, Adriatic Sea, Black Sea, Papua New Guinea, South China Sea, eastern tropical Pacific Ocean

Note: A strongly bioluminescent species

References: E.J.F.Wood, Dinoflagellates in the Australian region. II – Recent collections, *Tech. Pap. Div. Fish. Oceanogr. CSIRO* 14: 1–55 (1963)

G.M.Hallegraeff & S.W.Jeffrey, Tropical phytoplankton species and pigments of continental shelf waters of north and north-west Australia, *Mar. Ecol. Prog. Ser.* 20: 59–74 (1984)