

Nomenclatural novelties : Alexander B. Doweld

Volvorax Doweld, gen.nov.

IF550301

Thallus minute, intracoenobial, sac-like with rhizoidal outgrowths. Zoospores spherical, 4-5 μm in diam., uniflagellate (sometimes multiflagellate (up to 6 flagella) known), swimming sometimes to exhibit rotation of the body; flagellum short, posterior, 12 μm long, terminating in a whiplash portion; with two minute contractile vacuoles and 1-2 lateroposterior refractive globules, bearing up to six short (7-8 μm long) rod-like processes. Prosporangium uninucleate, spherical to elongate or ovoid, producing interbiotic conspicuous rhizoids consisting of a bunch of long finger-like threads which may occasionally fork. Sporangia spherical or oval, columnar, or top-shaped, dehiscent apically. Fusion thalli almost spherical or more elongate, with conspicuous rhizoidal system. Resting spores (sub)spherical 10-26 μm in diam., composed of numerous globules; walls smooth or minutely spiny, sometimes take on a bullate appearance through the development of thick broad-based spines. On germination, the spore buds out a sporangium.

Holotype: *Volvorax ingoldii* Doweld 2013.

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Holotype Iconotypus: tab. 2 in New Phytologist 39: 97. 1940..