

Nomenclatural novelties : Alexander B. Doweld

Phlyctorhizaceae Doweld, fam.nov.

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Thallus monocentric, eucarpic, intramatrical, dorsiventrally differentiated; polycentric thalli with numerous secondary zoosporangia within the basement membrane. Rhizoids frequently anastomose to form a network of filaments, terminal branches sometimes vesiculate. Zoosporangia developing as an outgrowth of the germ tube, zoospore persisting as a cyst. Zoosporangia inoperculate, laevigate, flattened, depressed, with a single basal, lateral, or subapical exit papilla, formed by vesiculation along the rhizoids. Secondary zoosporangia may develop from vesiculate rhizoidal tips. Zoospores posteriorly uniflagellate, with a single lipid globule; flagellum long, emerging and swarming in a vesicle outside of the sporangium. Resting spores thick-walled, laevigate, tuberculate to undulate; upon germination functioning as prosporangia. Saprobic within the basement membrane of insect integuments.

Holotype: *Phlyctorhiza* A.M. Hanson 1946.