

Nomenclatural novelties : Alexander B. Doweld

Dictyomorphaceae Doweld, fam.nov.

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Heterothallic; thallus with a distinct membrane, walled, uni- to multinucleate, endobiotic, holocarpic, rhizoids lacking; replacing host spore initials and converting each of them into a parasitic zoosporangium, 1 to many formed within a larger cell, produced by the host. Zoosporangia in clusters at the ends of the host hyphae, globose to polygonal, with an exit papilla. Zoospores posteriorly uniflagellate, (sub)spherical to elongate, with a nuclear cap, kinetosome extends from the blepharoplast directly to the base of the nucleus, blepharoplast, kinetosome, nucleus and nuclear cap linearly arranged. Resting spores formed by the fusion of isoplanogametes, spherical, outer walls finely reticulate, with a single lipid globule. Obligate parasites in aquatic Phycomycetes.

Holotype: *Dictyomorpha* Mullins 1961.