

Nomenclatural novelties : Alexander B. Doweld

Mesochytriaceae Doweld, fam.nov.

IF550330

Zoosporangium sessile, partially penetrating the host cell by haustorium, pyriform, thin-walled, smooth, with a single apical discharge papilla. Inoperculate. Rhizoids delicate, branched, arising near the sporangial base. Zoospores spherical, posteriorly uniflagellate, a single lipid globule, ribosomes dispersed through the cytoplasm. Flagellar kinetosome short with developed prope and non-flagellated centriole proximal to the fenestrated cisterna; flagellar transition zone simple, without a transverse transitional plate, but with a spiral fiber; non-flagellated centriole shorter than the kinetosome, lies at sharp angle (approx. 30°), with a veil; kinetosome connected to the non-flagellated centriole with a broad, dense fibrillar bridge. Resting spores endobiotic, spherical, thick-walled (3-layered), laevigate. Obligate parasite of the green alga *Chlorococcum minutum*.

Holotype: *Mesochytrium* B.V. Gromov, Mamkaeva & Pljusch 2000.

Mesochytriales Doweld, ord.nov.

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Zoosporangium partially penetrating the host cell, with a single apical discharge papilla. Zoospore with anterior nucleus, single lipid globule with a fenestrated cisterna located proximal to the kinetosome, dispersed ribosomes, and a non-flagellated centriole orientated at sharp angle (approx. 30°) to the kinetosome. TYPE: *Mesochytrium* B.V. Gromov, Mamkaeva & Pljusch.

Holotype *Mesochytrium* B.V. Gromov, Mamkaeva & Pljusch.