

Eiglera Hafellner
(EIGLERACEAE s. str.)

After Coppins, 1992

Rev. 5/94

Thallus epilithic, though often thin, grey to yellowish. Algae protococcoid. Apothecia immersed, aspicilioid. True exciple scarcely evident except in upper part where it is dark bluegreen. Hypothecium hyaline (yellowish to brownish according to Eigler). Epihymenium bluegreenviolet. Paraphyses slender, septate, sparingly branched, cells only convex above (not moniliform), tips not thickened, or sometimes broader or clavate, without pigmented caps or hoods. Asci broadly clavate or \pm ellipsoid, with uniformly and distinctly I+ blue tholus and I+ blue outer fuzzy coat forming a thick cap over the apex, without ocular chamber and axial mass. Spores 8, ellipsoid, simple, colorless, smooth, without a thickened perispore. Pycnidia immersed, blackish; wall dark bluegreen; conidiogenous cells arising in a single row, ampulliform, enteroblastic; conidia simple, colorless, bacilliform. No substances. On \pm pure limestone. Type species: E. flavida.

An aspicilioid segregate from Lecanora.

E. flavida (Hepp) Hafellner

Thallus crustose, effuse, superficial, gray to ochraceous brown, matt, rimose, not corticate, to 200 μ m thick but sometimes \pm evanescent. Photobiont cells 712 μ m diam. Apothecia 0.150.3 mm diam., immersed, aspicilioid; disc concave, blackish (tinged bluegreen when wet); true exciple to 12 μ m wide at top; hymenium 6070 μ m tall, colorless below, pale to dark bluegreen above, K, N+ red, I+ dark blue; hypothecium colorless. Paraphyses (1)1.51.7 μ m wide, to 3 μ m wide at apices. Ascospores 1218 x 79 μ m, ellipsoid. Pycnidia 3050 μ m diam.; conidia 34 x 0.81 μ m. Thallus P, K, KC, C, UV. On calcareous rocks, especially pebbles along the coast.

Literature

Coppins, B. 1992. Eiglera. In: Purvis, et al., Lichen Flora of Great Britain and Ireland.