



Annotation

Blastodesmia nitida A. Massal., Ric. auton. lich. crost. (Verona): 180 (1852)

Family: Verrucariaceae

Lichenicolous on the surface of host issue. **Sexual morph:** *Thallus* yellow to grayish brown, consists of innumerable, thin branches, circular or elliptical. **Asexual morph** *Ascomata* perithecioid, solitary, scattered, numerous in the thallus, globose to disciform, dark brown to black, ostiolate. *Wall of ascomata* multi-layered, comprising two layers, externally comprising pigmented, dark brown, thick-walled cells of *textura globulosa*, with inner layer thinner, composed of hyaline to lightly brown, thin-walled cells of *textura angularis*. *Asci* unitunicate, 8-spored, clavate, shortly pedicellate. *Ascospores* overlapping, biseriata, ellipsoid to fusiform, one-multi septate, constricted at central septum, light brown to brown, with protuberance at the middle cell, tapering to the ends, smooth and thick-walled, lacking a gelatinous sheath or appendages. **Asexual morph:** Undetermined.

Material examined: Italy, Verona, On Fraxinus, A. B. Massalongo (C0002631F, holotype18); Italy, Friuli-Venezia Giulia, An der Rinde von Fraxinus ornus bei Meran, H. 952 (C0098605F)

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Fig. 1. *Blastodesmia nitida* a, b Herbarium material (holotype, G00126518). c Herbarium material (C0098605F) d–g Appearance of ascomata immersed in host with thallus. note e, f from G00126518 and d, g from C0098605F. h, k Vertical section through peridium (G00126518). i–j Vertical section of ascoma. note i from G00126518 and j from C0098605F with logul reagent. l–o Asci with hamathecium. note l, n from G00126518 and m, o from C0098605F. p–r Ascospores. note p from G00126518 and q, r from C0098605F. Scale bars: d = 1000 μ m, e = 100 μ m, f, g = 200 μ m, h = 20 μ m, i, j, k = 50 μ m, l–o = 10 μ m, p–r = 5 μ m.