

Kirschsteiniothelia D. Hawksw.
(INCERTAE SEDIS)

After Hawksworth (1985)

Rev. 2/90

Thallus indistinct, nonlichenized. Perithecia erumpent, \pm entirely superficial when mature, usually single, black, hemispherical or subglobose, usually with a distinctly applanate base, usually ostiolate. Spores ellipsoid or soleiform, 1-septate, the upper cell often somewhat larger, slightly constricted at septum, \pm verruculose or striate. On wood.

1. **Ascomata ostiolate.** Ascospores \pm smooth or with a minute verruculose ornamentation, not striate.2
1. **Ascomata not ostiolate.** On mycorrhizal rootlets of Acer saccharum, NortheasternK. acerina (Rossman & Willcox) D. Hawksw.
2. **Mean length of ascospores more than 21 μ m.**3
2. **Mean length of ascospores less than 20 μ m.**4
3. **Ascospores (21)2533(38) \times (7.5)8.512.0(14.0) μ m.** On decorticate wood, more rarely twigs or cones, of a wide range of trees. Widespread, northern.K. aethiops (Berk. & Curtis) D. Hawksw.
3. **Ascospores (29)3650(55) \times (12)1517(19) μ m.** On wood of Abies balsamea or Thuja occidentalis, northeasternK. thujina (Peck) D. Hawksw.
4. **Ascospores (13.5)15.019.0(21.0) \times 5.06.0(7.5) μ m, length: width ratio about 4:1, apices tending to be attenuated.** On wood (especially resincoated coniferous wood) in the sea. NortheasternK. maritima (Linder) D. Hawksw.
4. **Ascospores (14.0)15.017.5 \times 5.06.5(7.0) μ m, length: width ratio about 3:1, apices rounded.** On rotten wood. NortheasternK. recessa (Cooke & Peck) D. Hawksw.

Literature

Hawksworth, D. L. 1985. Kirschsteiniothelia, a new genus for the Microthelia incrustans group (Dothideales). Bot. J. Linn. Soc. 91: 181202.