

**Date** 30 Oct. 2016. Black Sugarloaf, Birralee (swamp).

**Habitat:** *Melaleuca ericifolia* swamp forest.

**Substrate** erect rhizome of dead *Blechnum nudum*.

**Description** Densely crowded globose to subglobose (irregularly shaped and angular by mutual pressure) sporangia, 0.4 mm diameter. **Hypothallus** membranous, translucent.

**Peridium** smooth or rugulose, two closely appressed layers: outer layer white with faint ochraceous tints; inner layer grey with some crystals. **Columella** absent. **Capillitium**

slender, branching pale brown threads with some expansions; branching and pale at tips **Spores** black in mass, brown by transmitted light, warty, 9.5–11  $\mu$ m. (Different colour by transmitted light to *D. spumarioides* 0757 see plate.)

**Plasmodium** observed in the field as a thick gelatinous translucent mass with thin white outer layer; this became encrusted with dark lime that slowly turned white. The plasmodium of *D. spumarioides* #0757 was also observed in the field; it was milky white and had the usual form of a phaneroplasmodium.

**Notes** According to M&A (1969) there is confusion about *D. globosum*, *D. crustaceum* and *D. spumarioides* because of the inadequate description of the type specimen - and it no longer exists.

