VERSION 1

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Hornwort sporophyte induction -OXF V.1

Eftychis Frangedakis¹

¹University of Cambridge

Eftychis Frangedakis

University of Cambridge, Plant Sciences

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Protocol status: Working

We use this protocol and it's working

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- 1 To induce sporophytes, plants were grown for one month in petri dishes on Lorbeer's medium.

- 2** Afterwards, plants were transferred to Magenta pots on 1/10 Knop medium (2.5 g/L K_2HPO_4 , 2.5 g/L KH_2PO_4 , 2.5 g/L KCL, 2.5 g/L $MgSO_4 \cdot 7H_2O$, 10 g/L $Ca(NO_3)_2 \cdot 4H_2O$, 37 mg/L $FeSO_4 \cdot 7H_2O$) at pH 6.2 and containing 0.7% (w/v) agar.
- 3** Pots were then placed in a Panasonic MLR-352 Versatile Environmental Test Chamber (16°C, 16 h of light and 8 h of dark, 1500 lux light intensity).
- 4** After approximately one month, antheridia started to appear and after one more month sporophytes emerged.