



Sep 24, 2019

## Hornwort sporophyte induction -OXF V.1

Eftychis Frangedakis<sup>1</sup>

<sup>1</sup>University of Cambridge

1

Works for me

dx.doi.org/10.17504/protocols.io.4x4gxqw



Eftychis Frangedakis

University of Cambridge, Plant Sciences, OpenPlant



- 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<sub>2</sub>HPO<sub>4</sub>, 2.5 g/L KH<sub>2</sub>PO<sub>4</sub>, 2.5 g/L KCL, 2.5 g/L MgSO<sub>4</sub>·7H<sub>2</sub>O, 10 g/L Ca(NO<sub>3</sub>)<sub>2</sub>·4H<sub>2</sub>O, 37 mg/L FeSO<sub>4</sub>·7H<sub>2</sub>O) 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.



This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited