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## Hornwort sporophyte induction -OXF V.1

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**Protocol status:** Working

We use this protocol and it's working

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**Keywords:** hornwort sporophyte induction, sporophyte induction, hornwort

- 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.