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Half strength MS (+ B5 vits and 1% sucrose) growth medium

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Abstract

Steps to make half strength MS + B5 vitamins solid growth medium (w/ 1% sucrose) for standard Marchantia tissue culture.

Materials

MATERIALS



Distilled Water



Murashige & Skoog medium including B5 vitamins **Duchefa Biochemie Catalog #M0231**



Agar



1 M KOH



1 M NaOH



1 Add Murashige&Skoog (with B5 vitamins).

 2 μL

2 Add sucrose.

 10 μL

3 Add dH₂O.

 800 μL

4 Adjust pH to 5.7 while stirring.

5 Add agar to medium bottle (solid medium only).

 12 μL

6 Add the pHed medium to the agar-containing bottle.

Agar should not be added to the flask to avoid uneven distribution when poured into bottles (it tends to sediment to the flask bottom).

7 Top up to 1 L with dH₂O.

8 Autoclave media before pouring plates.