

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.

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Materials

- ✓ Distilled Water by Contributed by users
Murashige & Skoog medium including B5 vitamins M0231 by [Duchefa Biochemie](#)
- ✓ Agar by Contributed by users
- ✓ 1 M KOH by Contributed by users
- ✓ 1 M NaOH by Contributed by users

Protocol

Step 1.

Add Murashige&Skoog (with B5 vitamins).

 **AMOUNT**

2 g Additional info:

Step 2.

Add sucrose.

 **AMOUNT**

10 g Additional info:

Step 3.

Add dH2O.

 **AMOUNT**

800 ml Additional info:

Step 4.

Adjust pH to 5.7 while stirring.

Step 5.

Add agar to medium bottle (solid medium only).

 **AMOUNT**

12 g Additional info:

Step 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).

Step 7.

Top up to 1 L with dH₂O.

Step 8.

Autoclave media before pouring plates.