

BIOLOGY

5 days old Arabidopsis seedlings growth (Horizontal)

Day 1

SEED STERILIZATION

Make seed aliquots in 1.5 mL tubes (about 100uL of seed/tube)

- Add 500uL of Sterilization Solution (EtOH 70% + 0.1% Tween 20)
- Shake vigorously for 15 min
- Add 500uL EtOH 100%
- shake for 5 min Sterilization Solution
- Add 500uL EtOH 100%
- shake for 5 min



Warning: In the sterile hood

- Remove the EtOH
- Add 500uL EtOH 100%
- shake for 5 min
- remove the EtOH and let dry (around 2h)

SEEDS PLATING

- **Prepare Solid MS media**
 - **Recipe for 1L of media**

Sucrose	10g
MES	0.5g
MS (media	4.3g
pH	5.8 (KOH)
H2O	1L

- Add 8g of Difco AGAR / 1L of Media



When growing plants in vertical, use 10g/L of Difco AGAR

- Autoclave for 20min
- Let is cool until warm
- Pour on square plates in the sterile hood.
- Plant the seed in the plate.
- Seal the plate with Millipore tape



Transfer the plates to a 4°C room for 2 days (minimum)

Day 3

- Transfer the plates to the growth chamber and label the harvesting day on top of the plate

Day 7

- Harvest the seeds for the specific experiment