STERILIZATION OF ARABIDOPSIS SEED

1. Add the seed to a 15 ml Sarstedt tube.

2. Add 5 ml 70% ethanol and vortex for 3-5'.

3. Pipette off ethanol, add 5 ml 50% bleach, 0.1% Triton & vortex for 3-5'.

4. Pipette off the bleach, add 5 ml dH₂O and vortex for 3-5'.

5. Repeat dH₂O wash at least 3 times.

6. Pipette off the dH₂O and in the laminar flow hood add 10 ml 0.15% Type "M" agar (made up in H₂O and autoclaved).

7. Incubate at 4°C for ~3 days.

8. After 3 days, pour/pipette seed/agar onto MS plates in the laminar flow hood and seal the plates with Micropore tape.

9. Place plates in the growth chamber.

10. After 10 -14 days, plant out to soil and cover with saran wrap for a further 3-4 days.

**MS Media (1L)**
4.3g MS Salts (Gibco)
10 g Sucrose (1%)
1 ml 1000 X Gamborg’s vitamins (Sigma)
0.5 g MES (0.05%)
ph to 5.8 with KOH
Add 0.8% Type "M" Agar (8g/l) (Sigma)
Autoclave
Cool to 50°C before adding the appropriate antibiotic(s) and pouring out.