

Auxin stock solution recipes for *Artemisia tridentata* ssp. *tridentata*

1 mg mL⁻¹ Indole-3-butyric acid (IBA; 20 mL)

1. Carefully weigh 20 mg Indole-3-butyric acid (MW 203.24). Place in 50 mL conical tube.
2. Add 1 mL 1N KOH. Vortex until dissolved.
3. Add DI water to final 20 mL volume.
4. Filter Sterilize with 22 µm pore vacuum or syringe filter.
5. Label tube and store at 4°C until use.

1 mg mL⁻¹ 1-Naphthaleneacetic acid (NAA; 20 mL)

1. Carefully weigh 20 mg 1-Naphthaleneacetic (MW 186.21). Place in 50 mL conical tube.
2. Add 1 mL 1N KOH. Vortex until dissolved.
3. Add DI water to final 20 mL volume.
4. Filter Sterilize with 22 µm pore vacuum or syringe filter.
5. Label tube and store at 4°C until use.

Equipment

50 mL conical tubes

22 µm pore vacuum or syringe filter

Scale

Weigh paper

Spatula

1 mL pipette w/tips

Reagents

1N KOH

Indole-3-butyric acid (Sigma, CAS 133-32-4)

1-Naphthaleneacetic (Sigma, CAS 86-87-3)