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Indole Acetic Acid

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The working concentration range of Indole Acetic Acid as a plant growth regulator is 0.01-3.00g/litre.

To prepare a stock solution of 1.00mg/ml:

Add 100mg of powder to 2-5ml of solvent in a beaker or 100ml flask. The solvent in this case is an equal (1:1) mixture of 1M sodium hydroxide and ethanol. Once completely dissolved, bring the volume to 100ml with distilled water. It may be necessary to stir whilst adding the water to keep the material in solution. Stock solutions can be stored frozen for up to 6 months or short term at 0-5°C.

Dilute stock solution as required (e.g. 1ml to 1000ml of water or plant tissue culture agar/media) to assess effectiveness.

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