

Tissue Culture Acclimation

Tools and Process Checklist

Tools	Processes
<div> <input type="checkbox"/> Rubber gloves <input type="checkbox"/> Paper towels <input type="checkbox"/> Tweezers <input type="checkbox"/> Two bowls <input type="checkbox"/> Povidone Iodine Solution 10% = Sterile treatment <input type="checkbox"/> Paint brush <input type="checkbox"/> Knife, scalpel, or sterile pruners <input type="checkbox"/> small scoop/shovel <input type="checkbox"/> Blank labels <input type="checkbox"/> Permanent marker <input type="checkbox"/> Soil, starter plug, rooting medium <input type="checkbox"/> Rooting hormone <input type="checkbox"/> Humidity dome <input type="checkbox"/> Hydrometer/ thermometer <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ </div> <div> <p>*Optional</p> <input type="checkbox"/> Neem Oil – Antifungal <input type="checkbox"/> Castile Soap or duck Dawn soap= to aid in lipolysis (Metabolic pathway that involves hydrolysis of triglycerides into glycerol and free fatty acids). </div>	<div> -Warm water to lukewarm -Add iodine to one bowl- a few drops -Remove plant from bag and save sticker tags. -Remove as much agar from the plant -Soak plant in iodine solution for about ten minutes. -Prep rooting plugs, soil, or substrate -prepare rooting hormone -prepare humidity dome -Once TC plant has soaked in iodine for a few minutes, add rooting hormone to roots. - Plant in rooting plug, or soil, or substrate. - place assembled plant in a humidity dome. - place in a normal room temperature area with adequate lighting. *Place a hydrometer/thermometer inside the humidity dome. </div>