

Tissue Clearing

Classical plant tissue clearing method.

Chemical	Addition	Location
Chloral hydrate	8 g	IV
Glycerol	1 mL	V
ddH ₂ O	2 mL	

Procedure

1. Dissolve chloral hydrate with ddH₂O in a glass vial by gently stirring at room temperature.
 - Generally it will be fully dissolved within 30 mins;
 - To speed up dissolution, heat to no more than 37°C;
2. Add 1 mL glycerol and mix well after the chloral hydrate was fully dissolved.
3. Store this clearing solution at room temperature, protected from light.
 - The resulting product is a viscous, syrup-like liquid.
4. Immerse the sample in this clearing solution and leave it at room temperature until the tissue becomes transparent.
 - The clearing process may takes from several hours to overnight, depend on the sample type.

Done !!!
