



Construction of your glovebox

The glovebox is the indispensable tool to start the In Vitro culture, it will allow you to make your seedlings in sterile medium at lower cost.

For your construction you will need:

- 1/ Some screws and bolts
- 2/ 4 to 6 metal brackets
- 3/ 1 piece PVC tube (Ideal in diameter 120mm)
- 4/ 1 tube of silicone seal
- 5/ 1 box of plastic arrangement
- 6/ 1 pair of cuff gloves



Let's start building our GloveBox.

Step 1: Mark the locations of your apertures to pass the pipes, position them at the top of your GloveBox and drill the two previously marked holes

(Plan to use your box cover down)



Step 2: Place 2 pieces of PVC tube about 15 to 20cm long and attach them with brackets. Attention to be given enough length to put your glove on the bottom of the tube



Step 3: Then join the round of the PVC tubes and take care to cover all metal parts in order to avoid rust



Step 4: Slide the gloves (preferably with cuffs) over the tubes so you can slide your hands into them and easily manipulate your GloveBox.

Step 5: Secure gloves with an electric clamping collar (Colson)

Your Glovebox is now finished, you will sometimes find sheets asking you to make a silicone seal on the lid, I do not recommend this technique, the silicone sticks badly on modern plastics, it is preferable to apply layer of Sopalain on the lid that you will use as base, the wet Sopalin will make a perfect seal.