

INSTRUCTIONS

1. Gather materials.

Your liquid culture comes in a pack that includes:

- 10ml/cc liquid culture
- Sterile needle
- Alcohol pad

You will also need:

- Laboratory gloves
- Spray bottle of 70% isopropyl alcohol
- Bag or jar of sterile substrate with self-healing injection port
- Kitchen paper towels (optional)
- Alcohol burner (optional)
- Still air box or flow hood (optional)

ENSURE A CLEAN WORK SPACE

For best results work in a still air box or in front of a flow hood. If you do not have access to either, any well cleaned space can be used but contamination may result.

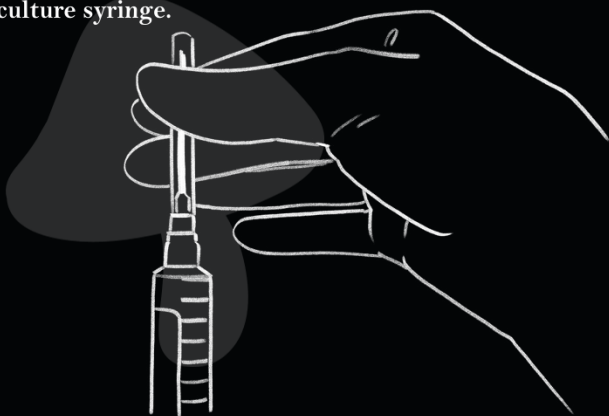
2. If your liquid culture has been stored in refrigeration, take it out several hours before you intend to use it.

3. Clean work area thoroughly by spraying all surfaces with 70% isopropyl alcohol. Let sit on surfaces until dry or for several seconds before wiping dry with a clean paper towel.

4. Put on gloves and clean with isopropyl.



5. Remove your culture syringe from the bag, point cap up and then unscrew cap from your liquid culture syringe. Keep the syringe pointing up. Open the packaging for the needle and with the protective needle cap still in place screw it onto the culture syringe.



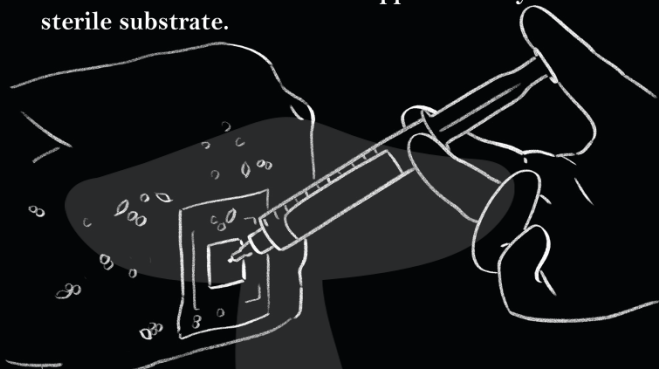
6. Open the alcohol wipe and use it on the injection point of your sterile substrate. **NOTE:** The needle comes sterile but subsequent use of the culture syringe will require sterilization of the needle as well. Sterilize the needle with alcohol or flame sterilize with an alcohol burner or lighter. If using flame to sterilize, the tip of the needle should be heated until it glows red and then allowed to cool before injection.

7. If the culture doesn't look uniform you may shake it for a few seconds to disperse the mycelium.

INOCULATE A STERILE SUBSTRATE

Syringes should be inserted into a self-healing injection port on a bag or jar of sterile substrate. North Spore produces Organic Sterilized Grain Bags with Injection Ports ideal for most species and strains of liquid culture.

8. Remove the needle cap and insert the sterile needle through the injection point, administer at a rate of 2.5ml/cc - 5ml/cc to approximately 3lbs of sterile substrate.



9. If liquid culture is not exhausted, replace the cap over the needle and store in the bag in the fridge for future use. Liquid culture will keep for approximately two months in the refrigerator.