

Subculture (transfer) of “plantlets” to fresh medium

The newly developing plantlets will grow better if they are transferred to fresh medium without growth regulators. The growth regulators can inhibit elongation of the shoots and the formation of roots.

1. After 4-6 weeks, make fresh medium using the “Home Style Medium” recipe below. Follow the same instructions as you did for the original medium but use these ingredients:

“Home Style Medium”

In a quart jar filled with water, mix:

1 teaspoon hydroponic fertilizer (Peter’s NPK 20-20-20)

2 tablespoons sugar

a multivitamin pill

1 ml PPM

Mix well. The vitamin pill will not completely dissolve. It can be removed after a couple of minutes. Test pH and adjust as you did in the first batch of medium. Measure 3 tablespoons medium into each baby food jar. Add two cotton balls, or 1/2 teaspoon gelatin, or 1/16 teaspoon agar (as previously described). Cap with polypropylene caps, **or metal baby food jar caps if using a pressure cooker**. Sterilize as described earlier.

2. Prepare the clean area as you did before. Wipe off the original culture bottles with alcohol and loosen the caps. Loosen the caps on the fresh media jars.

3. Wipe a small plate with alcohol to use as your cutting surface.

4. Dip the forceps in 70% alcohol and carefully remove the plant culture from it’s jar and place on the plate.

5. Cut into sections or pull apart plantlets using sterile forceps and knife.

6. Place each small piece or plantlet into fresh medium. Recap and seal.

