

## **Protocol For Transplanting *In Vitro* Plantlets**

- 1) Prepare as many pots as plantlets to be transplanted. Fill pots with moist sterile potting soil (e.g. Pro-Mix or Jiffy-Mix).
- 2) Take the test tube and press a hole into the potting soil a little deeper than the agar is in the test tube with the plantlets in.
- 3) Next, open the test tube and carefully remove the plantlet and agar from the test tube in one piece.
- 4) Place the plantlet and agar in the pre-made hole in the potting soil.
- 5) Cover the agar with potting soil and press the soil down gently around the plantlet.
- 6) Cover individual plantlets with a small jar for 2 or 3 days. Then tip the jar slightly to allow some outside air in for 2 days, and then remove the jar completely; or cover the group of plants with plastic wrap (keep out of direct sunlight).
- 7) Water as needed and fertilize with a weak liquid fertilizer every 2 weeks (half strength Hoagland's solution or Rapid-Grow).
- 8) Maintain plants at 20-23° C. Supplemental lighting is usually desirable (e.g. 20,000 luc, 16 hour days).