TISSUE CULTURE PROCEDURE

CULTURE

STEP 3: LAB PREP

SCAN to watch our Tissue Culture Procedure Video:

CULTURE VIDEO

⚠ **DISCLAIMER:**
- All sterile work is to be done under the workzone unless stated otherwise.
- Always wear gloves and a face covering when working in the workzone.
- Any container with liquid placed in the Autoclave must have a loosely opened lid.
- Spray gloves with alcohol between processes in the workzone.

3A. Clean and sterilize the **workzone** with alcohol wipes (inside and front surfaces).

3B. Spray alcohol to sterilize the culture vessels with Shoots **media** and the **alcohol burner** before placing them into the **workzone**.

3C. Slightly open the **utility vessel** with cuttings, remove one node with sterilized **forceps**, and place it on the sterile **work surface**.

3D. While holding the node steady with **forceps**, dissect it at the lower end, leaving enough stem to go into media.

3E. Slightly open the **culture vessel** and place the node's exposed tissue into the media and close the cap right away. This is now an explant. **Note:** Ensure that the tools do not touch media or **culture vessels**.

3F. Sterilize the **forceps** and scalpel blade with the **alcohol burner** after each cutting.

3G. Spray the **work surface** with alcohol after each cutting.
Note: Repeat steps D-G for each explant you want to create.

3H. When all **culture vessels** are prepared with newly made explants, store them under a clone light at 75-125 PPFD and room temperature of 20-25.5°C (68 - 78°F).