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TECHNICAL INFORMATION

Catalog Number: 2672206, 2672002, 2672102

PlantCon Containers

Description: PlantCon™ -- a line of presterilized, disposable, plastic growth containers. This labware has been designed to reduce the time spent preparing an in vitro growth environment for plant cultures -- and to minimize the risk of contamination. Think of it -- no glass tubes, or jars; no glass breakages; no cumbersome and time consuming cleaning and sterilization procedures for glassware; and finally, reduced storage problems.

Instead the PlantCon™ system permits you to start culturing plant cells and plantlets with the following advantages:

- Unbreakable -- Safe to use
- Presterilized -- Easy to use
- Clear plastic -- Excellent light transmission
- Disposable -- Eliminates messy glass cleanup
- Space Saving -- Stackable
- Manufactured under strict quality control procedures
- Scientifically designed for plant cell culture
- Special cover positioning -- Special lugs in the cover lip allow the user to snap on the cover tight for handling or loose for free exchange of atmospheres.

The PlantCon™ container consists of a cover and a bottom, and features a vent for gas exchange, and a drip control lip to recycle condensation. The cover can be snapped on tight, for long-term culture, or loosely fitted during acclimation to external conditions prior to transplantation.

The covers and bases are sterile and are separately packaged in sleeves of 10

The PlantCon™ container can be used in the following applications:

- Aseptic germination of seeds or spores.
- Stage I production of clean explant for multiplication of callus formation.
- Stage II multiplication of plants through enhanced axillary branching, adventitious buds, embryoids or callus.
- Stage III pretransplant rooting and hardening of plantlets for transfer to soil.
- As a shipping container for pretransplant plantlets.

Filling and Use:

PlantCon™ containers come presterilized. They are filled aseptically in a suitable clean area (i.e., laminar air flow). PlantCon™ containers may be used with liquid or agar solidified media. They can be used for many plant cell culture procedures that currently utilize glass containers. The containers are filled with cooled sterile medium by:

- Manual pouring
- Gravity feed through a dispensing bottle and filling bell automatic dispenser
- Automatic dispenser

Whichever method is used, the plastic container stacks are inverted, a base is removed from the stack, filled with medium, and a cover snapped on. The filled container may then be stored until needed.

Size:

Bottom: 9.5 x 9.5 x 3.5 cm

Cover: 9.5 x 9.5 x 7.0 cm

Availability:

Catalog number 2672206, 200 units per case

2672002, 10 pk of the bottoms only

2672102, 10 pk of the covers only