



Plant Tissue Culture Hood

Protecting the Process

Plant tissue culture is a collection of techniques used to grow or maintain plant cells, tissues or organs under sterile conditions to produce identical plantlets in large numbers. Tissue culture hoods provide a reduced particulate environment necessary for the study and growth of tissue cultures for many different medical, scientific and botany applications. Preparation of plant material for tissue culture is performed under aseptic conditions using HEPA filtered air supplied by a laminar flow cabinet.

The Air Science® Plant Tissue Culture Hood delivers ISO Class 5 air via positive pressure in a laminar airflow pattern, creating a clean and controlled environment that prevents contamination from entering the work area. In addition, tissue culture hoods include an efficient filtration system equipped with HEPA or ULPA filters, which remove up to 99.97% of particles 0.3 microns or larger or 99.999% of particles 0.12 microns or larger, respectively. The Air Science exclusive [Multiplex™ Filtration Technology](#) used in the Plant Tissue Culture Hood is designed to provide comprehensive performance at an affordable price.

Plant tissue culture is used widely in plant sciences, forestry and horticulture industries. [Contact us](#) for assistance with your plant tissue culture needs.



AIR SCIENCE PLANT TISSUE CULTURE HOOD

The Air Science Plant Tissue Culture Hood is engineered to protect the interior work surface, materials and products from particulate contamination by using HEPA or ULPA filtration to create a contaminant-free work zone with ISO Class 5 air cleanliness. Filtered air passes uniformly through the air supply plenum via vertical laminar flow to prevent the introduction of particulates during normal use. The Plant Tissue Culture Hood delivers a cost-effective, aseptic work environment necessary for success in the critical plant tissue culture process.

The Plant Tissue Culture Hood, available in three model sizes, is designed for benchtop use or installation on an optional base stand or mobile cart. A large front opening permits unrestricted access to the work surface. Clear back and side panels provide ambient illumination with an unobstructed view of the work area.

MODEL	FLOW-24	FLOW-36	FLOW-48
Nominal Width	24" / 610 mm	36" / 914 mm	48" / 1219 mm
Internal Height	23.5" / 596 mm	23.5" / 596 mm	23.5" / 596 mm
Internal Depth	22.5" / 571 mm	22.5" / 571 mm	22.5" / 571 mm
External Dimensions (W x D x H)	24" x 24" x 35" 610 x 610 x 889 mm	36" x 24" x 35" 914 x 610 x 889 mm	48" x 24" x 35" 1219 x 610 x 889 mm

[LEARN MORE](#)



Model FLOW-24



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