

## TISSUE CULTURE PROPAGATION

Tissue culture propagation offers cultivators the ability rapidly multiply genetics in compact, controlled spaces allowing management of numerous strains while minimizing reliance on mother plants.

Conviron offers high capacity, space efficient tissue culture chambers that provide *highly uniform* and *precisely controlled* environments for genetic propagation. With capacity *up to 700 jars*, these chambers are compact and can be placed – and relocated – anywhere in your facility. With an easy-to-use controller that integrates seamlessly with an Argus control system, cultivators can program their growing regimens and repeat them with confidence.



### GEN1000 TC – SINGLE DOOR TISSUE CULTURE CHAMBER

Base Chamber Specifications		Performance (4-tier Set-up)	
Chamber size	41"W x 32½"D x 77"H	Capacity (3" jars)	350
Controller	CMP6060	Light Intensity	100-300 µmol/m²/s
Conditioning	Air-cooled DX	Temperature	15°C-30°C
Airflow	Horizontal	Control	± 1.0°C
Lighting	39W T5 FL (dimmable)	Max RH lights on	75%
Power (60 Hz)	120-1Ø-2 wire 20A	Max RH lights off	90%
Heat Rejection	8,000 BTU/hr	Clear shelf height	6½"



CMP6060 touchscreen display

### OPTIONS

- Argus Titan controller
- LED lighting
- Water-cooled condenser
- Carbon dioxide control
- Dimmable lighting

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**Cannabis One™ Tissue Culture Room**  
Controlled downward airflow returning uniformly across each shelf

### CANNABIS ONE™ – TISSUE CULTURE ROOM

Base Chamber Specifications		Performance (4-tier Set-up)	
Chamber size	10'Wx24'L nominal	Capacity (3" jars)	6,000
Controller	Argus controls	Light Intensity	200 µmol/m²/s
Conditioning	Chilled water system	Temperature	+15°C to +30°C
Airflow	Horizontal	Control	± 1.0°C
Lighting	54 W T5HO Fluorescent	Max RH lights on	75%

For larger-scale operations, Conviron's Cannabis One™ multipurpose grow rooms can be outfitted for tissue culture to optimize floor space while providing high uniformity and control of the cloning environment. Typically integrated into a centralized Argus controls system, these rooms give cultivators greater throughput in the propagation stage.

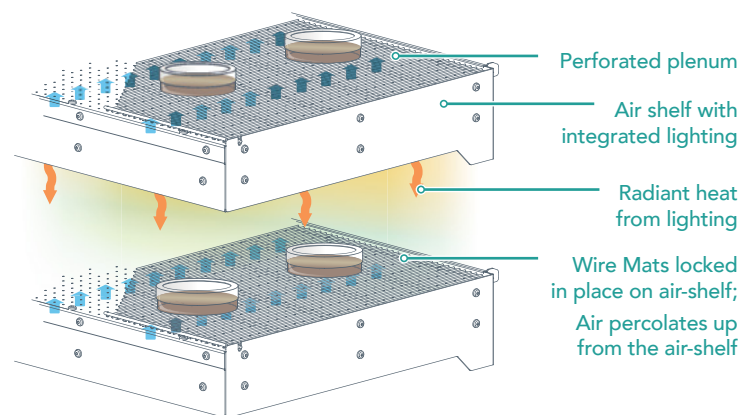
### OPTIONS FOR CANNABIS ONE™

- Nominal 8' incremental room lengths
- Air- or water-cooled DX
- LED lighting
- Dimmable lighting
- Carbon dioxide control
- Dehumidification

## ADVANCED SOLUTIONS

For advanced environmental performance and research applications, Conviron offers a range of configurable and custom research-grade rooms that deliver the highest level of control and uniformity.

Our advanced tissue culture rooms are designed specifically to minimize the formation of condensation inside the jars or petri dishes used for tissue culture. Airflow is directed through a channel in each shelf and then discharged upward at the underside of the jar. This design maintains the lower zone inside the jar cooler than the upper zone, which prevents condensation on the underside of the lid and ensures uniformity of light to the developing tissues.



FOR MORE INFORMATION ON CANNABIS ONE™ OR CUSTOM SOLUTIONS FOR TISSUE CULTURE, CONTACT:



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**Management System**  
Certified to ISO 9001