

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 | 6¾" |



CMP6060 touchscreen display

OPTIONS

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

TISSUE CULTURE PROPAGATION



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 $\mu\text{mol}/\text{m}^2/\text{s}$ |
| Conditioning | Chilled water system | Temperature | +15°C to +30°C |
| Airflow | Horizontal | Control | $\pm 1.0^\circ\text{C}$ |
| 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.

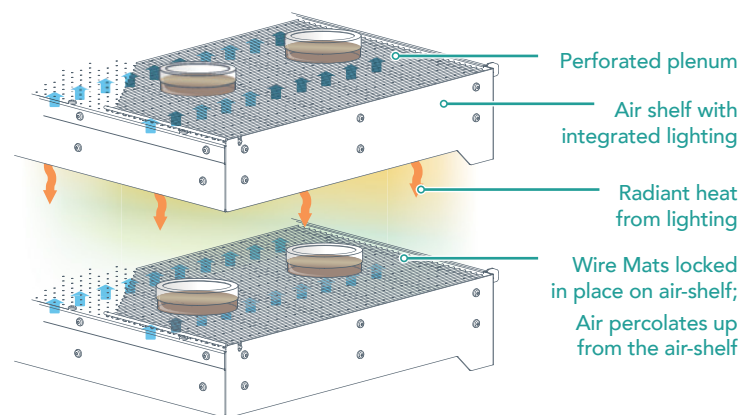
OPTIONS FOR CANNABIS ONE™

- 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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March 2021 | MK0062 | V.03

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Management System
Certified to ISO 9001