



GENEVA SCIENTIFIC
LAB EQUIPMENT SOLUTIONS

INCUBATOR - I-22L



Model	I-22L
Exterior Dimensions (WxDxH)	33.5" x 36.66" x 77.9"
Temp. Range (w/ lights on)	4-44±0.5
Interior Space	14.6 cu.ft.
Total Shelving Floor Area	10.8 sq.ft.
Maximum Growing Height	10"
Light Intensity (6" from lamps)	120 micromoles/m2/sec
Number of Tiers	2

Applications

*Designed for applications such as drosophila, culturing, rearing and holding of test organisms as well as bioassays seed germination and product stability.
*Many other applications exist for this series

Percival's IntellusUltra Controller

*Percival Scientific has built a reputation of providing flexible, customized options for research scientists around the world. We have taken the philosophy to the next level with our improved IntellusUltra Controller. Now choose from the levels of functionality that meet your research needs.

IncuWhite LED lighting system

*Linear LEDs horizontally mounted above each shelf
*Intensity programmable up to 120 µmoles/m2/s of light irradiance measured @ 6" from LEDs
*Programming and control of the lighting is done via IntellusUltra real time controller
*Dimmable between 5-100% output

Cabinet Construction

*Interior constructed of 22-gauge electro-zinc plated steel
*Exterior constructed of 18-gauge exterior electro-zinc plated steel
*Welded seams and joints on outer and inner shells
*Inner shell supported by non-compressing/non-thermal conducting material locking inner liner in place without a metal-to-metal bond to outer case
*Chamber is completely self-contained
*Overall wall thickness is 2" (5.1 cm)
*One 1¼" (3.2 cm) diameter access port
*Chamber floor equipped with floor drain and hose assembly
*Contains caster assembly and adjustable leveling legs to compensate for floor unevenness in the lab

Door

*Each door opening 27.8" x 29.3" (70.5 cm x 74.3 cm) provides full access to the chamber interior (magnetic gasket provides a tight seal to door frame)

Shelving

*Two shelves of white polyester coated steel wire (27"D x 28.8"W [68.6 cm x 73 cm])

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Shelving (continued)

* Shelves are supported by shelf clips allowing ½” vertical adjustments

Finish

*Interior and exterior painted with high reflective, environmentally friendly, high temperature baked white powder coating

Refrigeration

*¼ h.p. continuous running condensing unit ensures precise temperature control by alternately cycling refrigerant and hot gas to coil; this also prolongs life of compressor, and eliminates risk of ice build up in coil

*Solenoid valves have extended stem for quiet and long life operation

*Heat rejection to ambient (both compartments) = 3912 BTU/hr.

Temperature Range

*4°-44°C (±0.5°C) lights on and 2°-44°C (±0.5°C) lights off

Temperature Safety Limit Controls

*Experiment Protection: Adjustable high and low temperature controls, audible alarms, and visual indicators provided

*Controls shut down all power to chamber, activating alarms (when the temperature returns to the normal range the system will automatically reset)

Electrical Requirements

*120/1/60 (one power cord and one grounded plug provided per compartment). Combined RLA=17.8 (combined MCA=22.3)

Options

*Additive Humidity Control with Sensor

*Dehumidifier with Sensor

*IntellusUltra Connect

*Android-Based Touch Screen

*CO2 Enrichment Package

*Self-Contained Water-Cooled Condensing Unit

*Dry Alarm Contacts

*Dimmable Lighting

* Convenience Receptacles



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Specifications are subject to change without notice.
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