



GENEVA SCIENTIFIC

LAB EQUIPMENT SOLUTIONS

INCUBATOR - I-36LLVL



Model	I-36LLVL
Exterior Dimensions (WxDxH)	33.5" x 33.6" x 77.2"
Temp. Range (w/ lights on)	5-44C +/- 0.5C
Interior Space	29.7 cu.ft.
Total Shelving Floor Area	21.6 sq.ft.
Maximum Growing Height	11.25"
Light Intensity (6" from lamps)	230 micromoles/m2/sec
Number of Tiers	4

Applications

*This chamber is frequently used for Algae, Cyanobacteria and other low light photosynthesis studies

*Many other applications exist for this product

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 needs.

IncuWhite LED lighting system

*Linear LEDs vertically mounted above linear LEDs horizontally mounted in pairs above each shelf

*Intensity programmable up to 230 μ moles/m2/s of light irradiance measured @ 6" from LEDs

*Two levels of programming LED lighting, one for the horizontal LEDs and the other for the vertical LEDs.

*Programming and control of the lighting is done via IntellusUltra real time controller

*Dimmable between 5-100% output

Cabinet Construction

*26-gauge smooth galvanized white side walls and top reinforced with 24-gauge backer plates

*Interior floor constructed of 24-gauge #304-4 stainless steel

*24-gauge smooth white galvanized exterior

*NSF compliant seam design

*Overall wall thickness 2"

*Foamed-in-place non-CFC insulation

*One 1 1/4" diameter access port on right hand wall

*Chamber floor equipped with floor drain and hose assembly

*Contains casters assembly and adjustable leveling legs to compensate for floor unevenness in the lab

Insulation

*Woodless construction using 2" thick foamed-in-place non-CFC Urethane insulation with 93% closed cell, R-value of 12.5, K-value of 0.16 and density of 2.2 lbs/ft3

Door

*One door opening 29.3" x 57.5" provides full access to chamber interior (magnetic gasket provides a tight seal to door frame)

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Interior Space

*29.7 ft³ (0.8 m³) with work area of 21.6 ft² (1.8 m²) provided on four tiers

Shelving

*Four tiers of white epoxy coated steel wire shelving (each shelf is 27"D x 28.8"W)

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

*Maximum clearance between shelves is 11.25" per tier with all four shelves installed

Finish

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

Refrigeration

*Self-contained air-cooled condensing unit with hot gas bypass system for continuous compressor operation, extended life and close temperature control (this continuous running condensing unit ensures precise temperature control by alternating cycling refrigerant and hot gas to coil; this also prolongs life of compressor, and eliminates risk of ice build up in coil)

*Top mounted refrigeration system allows easy access for maintenance (e.g. cleaning)

*As heat is rejected, it rises and is dissipated into room without having any effect on inside temperature of cabinet

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

*Ceiling mounted evaporator coils incorporate twin air circulation fans in aluminum housing (heat rejection to ambient with standard chamber: 2,493 BTU/hr)

Temperature Range

*5°-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

*Consult Geneva Scientific for electrical requirements and amperage draw.

Options

*Phenolic Coated Coils

*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

*Open loop dimmable lighting per tier

*Extended temperature ranges



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Laminar Flow
Hood

CO₂ Incubators

Ultralow Freezers