



IRIS (INCUVERS' REAL TIME IMAGING SYSTEM) Sole Source v1.0

Vendor Product Description	Incucers Benchtop incubator with an integrated time lapse imaging system for real time cellular visualization. Fully controllable and pre-programmable CO ₂ , O ₂ , and temperature control. Monitor incubator and cells live with up-to-the-second incubator notifications on internet connected devices. Easily capture non-invasive phase and GFP fluorescent live cell imaging inside the incubator.
-------------------------------	--

Unique design/performance specification that are essential and are not available on other products:

- Monitor cells live and get up-to-the-second incubator notifications on internet connected devices.
- Easily capture non-invasive phase and GFP fluorescent live cell imaging inside the incubator
- Personal dashboard and experiment library
- Live view of cells and incubator conditions
- Time lapse video recording and storing
- Alert email notifications on incubator conditions
- Digital logbook of parameters, incubator conditions, and images for all experiments
- Tri-gas incubator (control over CO₂, temperature, and oxygen concentrations)
- Pre-programmable fluctuating environment changes
- Stage for live cell imaging one plate or dish
- Compatible with all dish types and sizes (except 96 well-plates)
- Storage space for 30+ plates



Technical information and specifications		
Mechanical	External Dimensions Internal Dimensions Chamber Volume Shelving Space Weight (w/ shelving)	15" x 12" x 19" 8" x 12" x 16" 25 L 8" x 12" x 16" 50 Lbs
Thermal	Temperature Control Range	23 - 42 °C
Humidity	Relative Humidity Water Quantity	~90% 1 L
Gas Supply	Gas Purity Tank Pressure Control Deviation Accuracy Measure and Control Range	Medical grade 5-10 PSI 0.1% ± 70 ppm + 5% of reading CO2 (0.1% - 20%) O2 (0.1% - 20%)
External Power Supply	Source Voltage Rated Frequency Rated Current Rated Protection Rated Voltage	110 - 220 V 50-60 Hz 8 A UL, CSA 12V DC
Imaging	Optical Arrangement Field of View Magnification Imaging Fluorescence	Inverted Single 10x -20x digital zoom Phase Contrast GFP 488 nm
<i>All specifications are assuming NTP conditions and fresh air</i>		