LICES CO_2 Incubator And Clean Bench

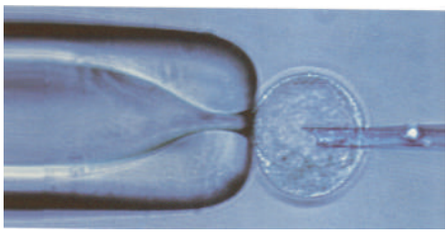
LICES is Ideal multi-functional work station for Lives Cell Imaging or some applications in IVF. This HEPA filtered Clean bench is equipped with CO2 incubation function such as Temperature, CO2, Humidity control which provide optimal environment for Cell culture in this station. Its special designed front door allows a Microscope installed in bench or it is customized on demand to be fit for a particular microscope. Small microscope stage CO2 incubator gives an advantage incubating Cells on Microscope during microscopy.

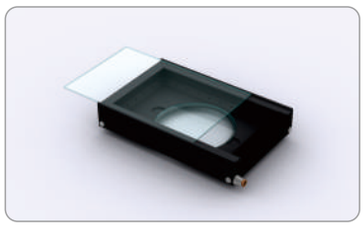
LICES
Live Cell Engineering Station

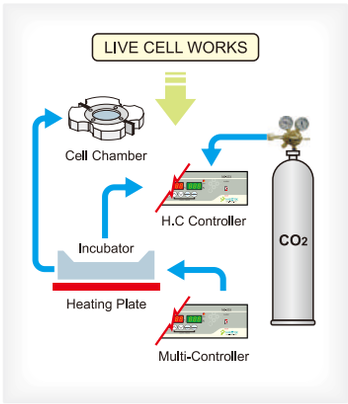
Features

- **Integrated Clean bench chamber combined with CO_2 Incubation, Micro Scope**
  In HEPA filtered Clean Bench, temperature/CO_2/Humidity are controlled to provide optimum environment for cell culture. Front door is designed to build with your Microscope. It is also equipped with Hand Access Holes. On demand, the front door may be customized.
- **Excellent Temperature Control in Large and Mini chamber**
  Using 5 side heating(heating from all side except front door) in large chamber, the large chamber have excellent temperature control which provides optimal environment for cell culture also, no condensation on lens of Micro scope during live cell imaging. Mini chamber is also equipped with heater inside.
- **Effective Vertical Air Flow System by low noise & low vibration blower motor**
  Blower motor is placed above of HEPA filter and makes vertical Air Flow through HEPA. Air curtain which is formed right behind of front door by blower motor minimizes air flow from outside when hand access port open.
- **Precise CO_2 control and appropriate humidity control**
  With two dual beam IR sensors, CO_2 is controlled precisely in large and mini chamber respectively. Humidity in large chamber is controllable by ultrasonic humidifier up to 70%. Mini chamber is also humidified naturally 70~80% by heated water bottle.
- **Respective Control for each functions**
  Humidity, Temperature, CO_2 in Mini-Chamber and Large Chamber are controlled individually.
- **Built-in Fluorescent light and UV Light**
- **Stainless steel (SUS304) interior chamber**
- **2 Access Port for additional devices use in chamber**
- **Easy Lift-up by hands grip at bottom and side of bench**
- **Various Customization Options available on request**

EASY - TO - USE, THE MOST VERSATILE FOR LIVE CELL WORKS







Specification

Items	Unit	LICES (NB-801LCS)
Work Station (Clean Bench)		
HEPA Filter		99.99% efficiency on particles of 0.3㎛
HEPA Filter Dimension	mm	660(W)x380(D)x70(H)mm
Fluorescent Lamp		36W x 1
UV Lamp (Behind Of Filter)		8W x 1
Air Flow		Up To Down Flow (Internal Circulation Only)
Door Open		Open To Front
Work Mode (Incubation Mode)		3 SELECTION MODE 1. Large chamber (Incubation in work station only) 2. Full (Incubation in both large and mini chamber) 3. Mini chamber (Incubation in mini chamber only)
Large Chamber Incubation		
CO_2 Sensor		Dual Beam IR Sensor
CO_2 Concentration Range		0% to 20%
CO_2 Accuracy	℃	±0.1% at 5% 37℃
Humidity Operation Range		0~60% (Adjustable)
Jacket		Direct wall with air jacket
Temperature Range	℃	Ambient +5℃ to +60℃
Accuracy	℃	±0.1℃ at 37℃
Heating		5 Side Direct Heating
Control		Microprocessor Digital PID
Internal Dimension	mm	635(W)x480(TOP), 670(Bottom)(D)x720(H)mm
Overall Dimensions	mm	712(W)x698(D)x1087(H)mm
Mini Chamber (For Incubation On The Stage Of Micro Scope)		
CO_2 Sensor		Dual Beam IR Sensor
CO_2 Range		0% to 20%
CO_2 Accuracy	℃	±0.1% at 5% 37℃
Temperature Range	℃	Ambient +5℃ to +60℃
Accuracy	℃	±0.1℃ at 37℃
Heating		5 Side Heating
Humidification		Natural humidification from water bottle
Humidity Range	mm	RH 62 ~ 67% at 20% RH (in work zone) RH 78 ~ 83% at 60% RH (in work zone)
Dimensions		185(W) x 115(D) x 40(H)mm
Power	V/Hz	110/220V, 50/60Hz, 460W
Weight	kg	99kg