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aniCell™

# CO<sub>2</sub> SHAKING INCUBATOR



N-BIOTEK  
Leading Life science

# CO<sub>2</sub> SHAKING INCUBATOR

- The Anicell shaking CO<sub>2</sub> incubator is ideal for use in the fields of bio similar production, proteomics, crystallography, genomics, cell biology and new drug development. A large capacity CO<sub>2</sub> incubator with removable long life shakers provide the optimum solution for cell culture in suspension
- The Anicell's internal chamber is subdivided into 3 compartments each holding a removable orbital shaker which can hold Erlenmeyer, cylindrical flasks or deepwell blocks. Dual beam Infra Red sensor provides precise CO<sub>2</sub> control while the six side heating system ensures excellent temperature control and recovery and humidity. An outstanding Air Circulation System ensures temperature uniformity within all compartments.
- The unique patented orbital shakers are constructed with stainless steel to minimise contamination and aid cleaning. Brushless magnetic plate induction design allows these shakers to be used in highly humid environments and operate vibration free without generating particulates. Noise free these powerful shakers can be used for many years with reliability guaranteed.



# Optimum and Superior Solution for Various Cell Culture

## Features & Benefits

### GROWING CELL SUSPENSION

The Anicell is designed to culture eukaryotic cells such as CHO, HEK, Hela etc. in suspension but can also be used as a static incubator if required.

### INFRA RED SENSOR

Industry Standard Dual Beam Infra Red Sensor is used to maintain control of CO<sub>2</sub> density.

### EXCELLENT TEMPERATURE CONTROL

All 6 sides are directly heated and combined with P. I. D control ensure that temperatures are reached quickly and uniformly maintained. Further the system combines forced air and natural convection to maintain the best temperature uniformity at all times.

### HIGH NATURAL HUMIDIFICATION

A deep and wide humidity tray allows a high and natural humidity to be generated.

### SPLIT INNER GLASS DOORS

The internal chamber is separated into three compartments each with its own shelf, shaker and glass door. This design prevents excessive loss of heat and CO<sub>2</sub> when removing flasks etc.

### HUMIDITY DISPLAY

LED display of actual humidity in the chambers informs the user of time to supplement the water in the humidity tray.

### AUTO RESTART FUNCTION

Each shaker has an autostart function such that if the glass inner door to each compartment is opened the shaker in that compartment stops and starts again when the door is closed. Auto start is also enabled if there is a power cut.

### PULLOUT SHAKER PLATFORM

Platform of each shakers can be pulled out for loading flasks on each shakers efficiently.

### STICKY MAT & VARIOUS HOLDERS

The orbital shakers can be used with sticky mats or dedicated flask holder trays or universal flask/tube holder plate.

### INDIVIDUAL SHAKER CONTROL

Each orbital shaker can be individually controlled by an external control panel.

### UV LAMP

A UV lamp sited next to the circulation fan works to sterilize the air in the incubator even during cell culturing. The UV lamp can be turned on or off by a switch on the front panel.

### STAIN RESISTANT INTERIOR

The inner chamber and all orbital shakers are constructed with stainless steel SUS304 which is designed for use in GMP facility and is resistant to rust formation in high humidity conditions.

### ANTI-BACTERIAL FILTER

An Air filter, located post circulation fan, traps microbes and helps to maintain a sterile environment.

**CO<sub>2</sub>**

**Triple Shaker**

**Large Capacity**

**Humidified**



Outer door Open



Inner doors Open

# CO<sub>2</sub> SHAKING INCUBATOR



## ■ Specifications

| INCUBATOR                      | NB-206CXL   | NB-206CXXL                        |
|--------------------------------|---|-----------------------------------|
| Temp. range                    | Ambient +5°C to 60°C  | Ambient +5°C to 60°C              |
| Temp. accuracy                 | ±0.5°C at 37°C  | ±0.5°C at 37°C                    |
| Humidity                       | ≥70% at 37°C  | ≥70% at 37°C                      |
| CO <sub>2</sub> range          | 0% to 20%   | 0% to 20%                         |
| CO <sub>2</sub> accuracy       | ±0.3% at 5% at 37°C   | ±0.3% at 5% at 37°C               |
| CO <sub>2</sub> sensor         | IR CO <sub>2</sub> sensor   | IR CO <sub>2</sub> sensor         |
| CO <sub>2</sub> inlet pressure | 0.7 ~ 1 bar   | 0.7 ~ 1 bar                       |
| Outer door                     | Silicon packing magnet door   | Silicon packing magnet door       |
| Inner door                     | 3 Shelves inner door  | 3 Shelves inner door              |
| Display                        | 5 digital LEDx5   | 5 digital LEDx5                   |
| Jacket type                    | Air jacket type (6 sides heating)   | Air jacket type (6 sides heating) |
| Filter                         | Anti-Bacterial filter   | Anti-Bacterial filter             |
| Sterilization                  | U.V 4Wx1ea  | U.V 4Wx1ea                        |
| Chamber volume                 | 650 liter   | 850 liter                         |
| Shelves                        | 3ea   | 3ea                               |
| Chamber dimensions             | 700(W)x650(D)x1430(H)mm   | 700(W)x800(D)x1530(H) mm          |
| Each compartment dimension     | Compartment 1(Bottom):<br>700(W)x650(D)x430(H) mm<br>Compartment 2, 3 (Middle, Top):<br>700(W)x650(D)x380(H) mm | 700(W)x800(D)x410(H) mm           |
| Overall dimensions             | 820(W)x780(D)x1740(H) mm  | 820(W)x920(D)x1840(H) mm          |
| Weight                         | 323kg   | 393kg                             |
| Power                          | 110/220V, 50/60Hz   | 110/220V, 50/60Hz                 |
| SHAKER                         |   |                                   |
| Shaking motion                 | Orbital   | Orbital                           |
| Speed range                    | 30 to 200 rpm   | 30 to 250 rpm                     |
| Speed accuracy                 | ±1rpm   | ±1rpm                             |
| Speed increment                | 1rpm  | 1rpm                              |
| Time range                     | Continuous or up to 47h 59mins  | Continuous or up to 47h 59mins    |
| Time accuracy                  | ±1%   | ±1%                               |
| Time increment                 | 1 minute  | 1 minute                          |
| Motor                          | Plate type BL/DC Motor  | Plate type BL/DC Motor            |
| Drive system                   | Beltless direct drive   | Beltless direct drive             |
| Orbit diameter                 | 25mm  | 25mm                              |
| Platform size                  | 520(W)x520(D) mm  | 520(W)x520(D) mm                  |
| Dimension                      | 465(W)x540(D)x125(H) mm   | 465(W)x540(D)x125(H) mm           |

## ■ Maximum allowance for flask capacity

| FLASK CAPACITY | NB-206CXL   | NB-206CXXL  |
|----------------|-------------|-------------|
| 125ml Flask    | MAX. 158 EA | MAX. 158 EA |
| 250ml Flask    | MAX. 90 EA  | MAX. 90 EA  |
| 500ml Flask    | MAX. 60 EA  | MAX. 60 EA  |
| 1000ml Flask   | MAX. 48 EA  | MAX. 48 EA  |
| 2000ml Flask   | MAX. 9 EA   | MAX. 27 EA  |

\*Optimum performance for maximum allowance can be obtained at 150rpm.



CO<sub>2</sub> INCUBATORS  
IR CONCENTRATORS  
LIVE CELL STATIONS  
SHAKERS & WATER BATHS  
WORK STATIONS  
OTHERS  
BIO MEDICAL EQUIPMENT  
BIO CLEAN ROOM

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CO<sub>2</sub> SHAKING INCUBATOR animal cell™