

aniCell™

CO₂ SHAKING INCUBATOR



N-BIOTEK
Leading Biotechnology

CO₂ SHAKING INCUBATOR

- The Anicell shaking CO₂ incubator is ideal for use in the fields of bio similar production, proteomics, crystallography, genomics, cell biology and new drug development. A large capacity CO₂ incubator with separable 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 separable orbital shaker which can hold Erlenmeyer, cylindrical flasks or deepwell blocks. Dual beam Infra Red sensor provides precise CO₂ 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 minimize 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.



www.n-biotek.com

anicell™

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 CO₂ density.

EXCELLENT TEMPERATURE CONTROL

All 6 sides are directly heated and combined with P, I, D control to ensure that temperatures are reached quickly and uniformity is 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 CO₂ 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

A HEPA filter, located in post circulation fan, traps microbes and helps to maintain a sterile environment.

REMOVABLE SHELVES

Larger growth vessels like 5 or 10 liter flasks can be accommodated by completely removing the shelves.



Door Closed



Outer door Open



Inner doors Open

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■ Specifications

INCUBATOR	NB-206CXL	NB-206CXXL
Temp. range	Ambient +5℃ to 60℃	Ambient +5℃ to 60℃
Temp. accuracy	±1℃ at 37℃	±1℃ at 37℃
Humidity	≥70% at 37℃	≥70% at 37℃
CO ₂ range	0% to 20%	0% to 20%
CO ₂ accuracy	±0.3% at 5% at 37℃	±0.3% at 5% at 37℃
CO ₂ sensor	IR CO ₂ sensor	IR CO ₂ sensor
CO ₂ inlet pressure	0.7 – 1 bar	0.7 – 1 bar
Outer door	Silicon packing magnet door	Silicon packing magnet door
Inner door	Each inner door of 3 Shelves	Each inner door of 3 Shelves
Display	LED Display	LED Display
Jacket type	Air jacket type (6 sides heating)	Air jacket type (6 sides heating)
Filter	Anti-Bacterial Hepa filter	Anti-Bacterial Hepa 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): 700(W)x650(D)x430(H) mm Compartment 2, 3 (Middle, Top): 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.



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CO₂ INCUBATORS
IR CONCENTRATORS
LIVE CELL STATIONS
SHAKERS & WATER BATHS
WORK STATIONS
OTHERS
BIO MEDICAL EQUIPMENT
BIO CLEAN ROOM

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