



The name you can trust

CO₂ Incubators

Design for best cell growth



- ◆ Auto-sterilization with hot air at 180 °C
- ◆ Humidification system with condensation protection
- ◆ CO₂ gas-mixing with air circulation in chamber
- ◆ CO₂ sensor with infrared technology
- ◆ Uniform Growth Conditions

Newtronic Lifecare Equipment Pvt. Ltd.

www.newtronic.in

CO₂ Incubators | Designed for the best cell growth



Standard Equipment:

- Inner and outer chamber are constructed of stainless steel 304.
- Auto-sterilization with hot air at 180 °C
- Adjustable heat sterilization cycle
- Humidification system with condensation protection
- CO₂ gas-mixing with air circulation in chamber
- CO₂ sensor with infrared technology
- Tightly sealed inner door made of tempered safety glass
- Perforated stainless steel shelves
- Units are stackable
- Troubleshooting system with visual and acoustic alarms

Introduction

Direct Heat Microbiological CO₂ Incubators provide a reliable controlled in-vitro environment for optimum tissue cell culture growth. The chamber also provides an environment for the storage and preservation of gametes and animal tissue cell cultures intended for research at body temperature or under hypoxic conditions. A unique blend of product features to promote cell growth through the precise control of humidity, temperature and CO₂ gas while minimizing the potential for contamination creating the most reliable conditions.

Accurate Control

- PLC based controlling system with color touch screen display
- Infrared (IR) sensor for controlling CO₂ levels within the chamber
- Advanced design for very stable controls

Uniformity

- A table top design of 100 liters has more usable space with a smaller Foot print
- Chamber is directly heated with heater around the chamber the heater wound around the chamber
- Fan-Assisted Air Circulation ensures
 - Superior Uniformity
 - Rapid Recovery
 - Minimal variation between cultures while preventing desiccation –no matter where your cultures are located within the incubators
- Airflow patterns are specifically designed for superior distribution of critical environmental conditions (Temperature, RH, Gas exchange)

Unmatched choice, Advanced Technology

Specifications: Model No.:NLCO4SI

Inner chamber	: 500 X 450 X 450mm (H X W X D)	Accuracy	: ± 0.2°C
Outer chamber	: 845 X 590 X 765mm (H X W X D)	Humidity range	: 90 to 95% RH
Temperature range	: 7 °C above ambient to 50 °C	CO ₂ range	: 0 to 20 %

High Temperature Decontamination (180°C)

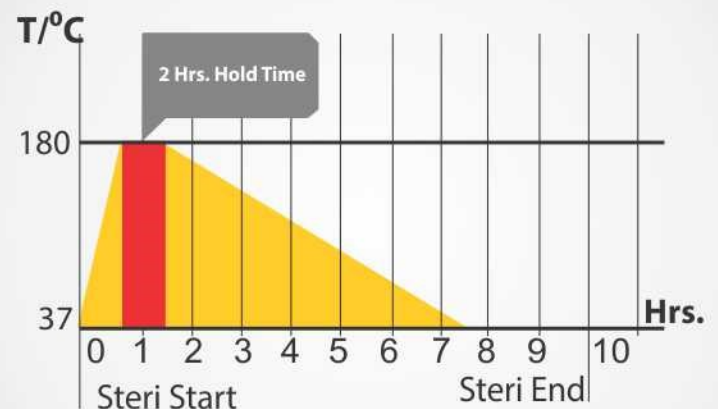
- Conveniently clean your incubator using high temperatures and eliminate the need for separate autoclaving and re-assembly of components.
- Automatically radiates heat uniformly to all interior surfaces, requiring no post-cycle cleanup, and returns quickly to your selected operating conditions
- Proven technique to eradicate biological contaminants with certainty
- Avoids physical constraints and variation of ultraviolet germicidal lamps
- Eliminates the need for storage, handling and disposal of potentially toxic germicidal chemical agents
- **The decontamination cycle also sterilizes the sensors**
- **Eliminate the need to remove Co₂, Temp., Rh, Sensors during decontamination cycle**



Key Features:

- PLC Based Control system
- Touch Screen Display
- Password protected sterilization
- Sensor need not be removed during the Decontamination cycle
- Easy To Clean
- User-friendly Operations
- Uniform Growth Conditions
- Absolute Sterility Of Inner Chamber

180° C Dry Heat Sterilization



This safe and effective high-temperature overnight sterilization cycle is proven to effectively eliminate bacteria, mold, yeast, Mycoplasma and even resistant spores, simplifying cleaning and protecting cultures.

Unmatched choice & advanced technology



NLEPL/CO2/0118/1.2

Newtronic Service centers:

Domestic:		International:	
Ahmedabad	Hyderabad / Vizag	Australia	Malaysia
Baddi	Indore	Bangladesh	Mexico
Bangalore	Kolkata / Sikkim	China	Nepal
Chennai	Mumbai	Dominican Republic	New Zealand
Delhi	Pune	Dubai	Philippines
Goa		Egypt	Singapore
		Indonesia	Thailand
		Jordan	Turkey
service@newtronic.in		service.exports@newtronic.in	

* Newtronic reserve the right to change product specifications without prior notice



The name you can trust

NEWTRONIC LIFECARE EQUIPMENT PVT. LTD.
ISO 9001:2015 Certified Company

Email:
India : sales@newtronic.in
International : exports@newtronic.in

Visit us on: www.newtronic.in

H.O.:
 108-ABCD, Kandivali Co-op. Ind. Estate Ltd.
 Charkop, Kandivli (West),
 Mumbai - 400067, India
 T: +91 -22- 2867 9326

Plant:
 Plot No-1205 & 1206, G.I.D.C. Ind. Estate,
 Road No.: 13, At Umbergaon – 396171,
 Dist.-Valsad (Gujarat)
 T: 0260-2561411/22/33 /77