



Multi Chamber Incubator CT37stax™



Introducing our Multi Chamber Benchtop Incubator

Planer is dedicated to using its years of expertise in environmental temperature control and cell management to develop and manufacture high quality laboratory equipment. Planer's equipment helps clinicians, scientists and biologists to preserve, protect and nurture many different cell types.

The CT37stax™ multi chamber benchtop incubator has been designed using the best features of the existing technology and incorporating these with a mix of innovative new features to provide a state of art new multi chamber benchtop incubator fit for the demands of the modern laboratory.

Cost Effective
Solutions

Providing
The Optimal
Environment

Incubator
Management
Made Easy

Protection
Built In

Improved
Workflow

Cost Effective Solution

Modular and space saving



- Uses 30% less lab space
- Capacity for up to 72 petri dishes
- Capacity for up to 36 patients
- Individually controlled chambers

The innovative space saving design of the CT37stax™ incubator provides the highest dish capacity of any benchtop incubator currently available.

The CT37stax™ incubator's modular design allows it to be preassembled in 3,4,5 and 6 incubation chamber versions, which enables you to purchase an incubator that meets the needs of your specific laboratory. Additional incubation chambers can be purchased and added

to the base station ensuring the incubator can grow in line with the laboratory's capacity.

Each individual chamber of the CT37stax™ can be controlled independently. Therefore when chambers are not in use they can be switched off, saving gas and reducing the power required to run the unit resulting in a cost saving for the laboratory.



It's the details that matter – **INDIVIDUAL CHAMBER CONTROL**

Providing the Optimal Environment

See what's inside

- Temperature Range Ambient + 5 °C to 40 °C
- Temperature Control Accuracy ± 0.1 °C
- Temperature Uniformity ± 0.2 °C
- CO₂ Range 2.0 – 10.0 %

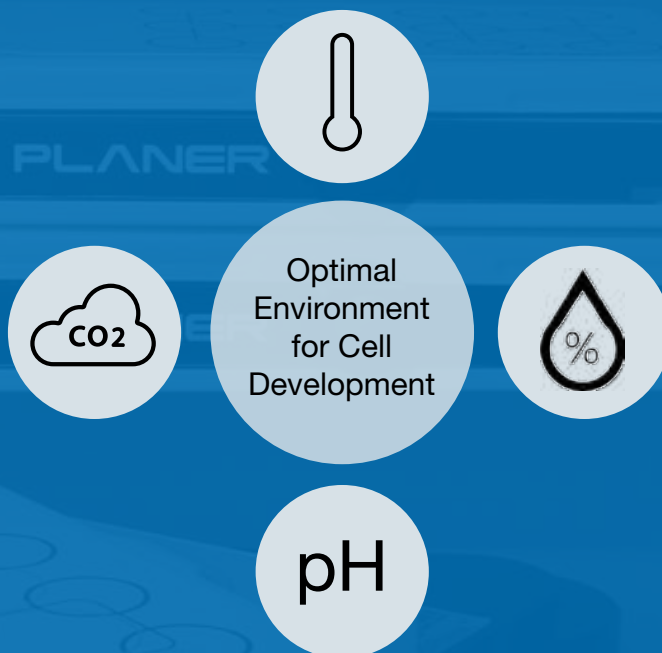
The CT37stax™ multi chamber incubator incorporates advanced environmental control technology. This ensures an optimal environment reducing the stress on cells.

The CT37stax™ incubator's highly accurate environmental regulation system ensures optimal clinical conditions inside each incubation chamber. Each of these chambers is independently controlled to minimise the stress placed on the cell.

Each incubation chamber can be humidified using the optional water tray insert to provide passive humidity and help prevent cell dehydration.

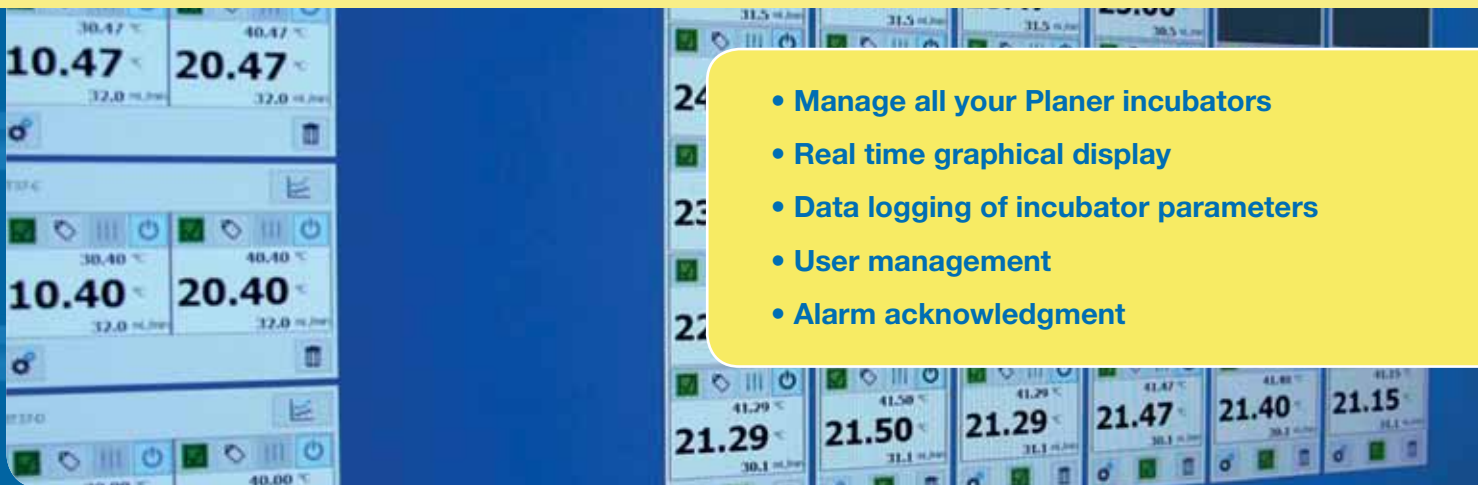
Using readily available and certified premixed gas ensures that each chamber can be supplied with the correct mix of CO₂ and O₂ without the need for validation checks.

The petri dish is placed directly onto the base plate of the incubation chamber to provide the best possible heat transfer between the dish and the heated base. This eliminates variations in heat transfer that can be caused by any air gaps when inserts are placed between the base and dish.



Incubator Management Made Easy

With our management software



The CT37stax™ is supplied with the Planer Incubator Management Software (PIMS) which operates as both the full control interface for multiple CT37stax™ incubators but also can be used as a management system for all Planer incubators (INC-A20, BT37 and CT37stax™) operated within the laboratory.

The intuitive and user friendly interface allows full control of multiple CT37stax™ units from a single PC anywhere in the laboratory.

A user, once logged into the password protected system, can switch individual incubation chambers on or off, adjust the temperature and view the performance of each chamber on a convenient real-time graphical display.

Optional PIMSsolo user interface unit* can be mounted onto a CT37stax™ incubator to provide a easy to use touchscreen user interface for a single CT37stax™ unit.

*sold separately



PIMS user management



PIMS desktop in alarm



PIMSsolo unit mounted on a CT37stax™ system

Multi Chamber
Benchtop
Incubator
CT37stax™
with PIMSsolo





Providing the Optimum
Environment to Maximise Success

Protection Built In

Alarms and monitoring

- Comprehensive on board alarms
- Dual power supply protection option
- External alarm connection
- Access for truly independent monitoring



The CT37stax™ incubator is packed with comprehensive alarm and monitoring features. Multiple parameters of each incubation chamber are constantly monitored with audible and visual alarms, locally on the incubator and via the PIMS application.

The CT37stax™ incubator can be supplied with dual external power supplies ensuring the incubator will continue to operate should one fail, reducing the risk of samples being lost.

Contacts are provided for connection to an external alarm and monitoring system, such as the Planer DATAssure™ system, adding the ability to receive alerts, via SMS or voice messages.

There are access points built into the design of the CT37stax, allowing truly independent validation and monitoring of the incubator's performance.

In order to protect the incubator from network attacks, incubator settings cannot be changed over the network without first pressing the 'unlock' button on the front of the incubator.



Improved Workflow

Space saving and ergonomic



- Operates inside most flow hoods
- Reduces dish movement
- Single handed loading and unloading

The CT37stax™, even with all six incubation chambers installed, can be sited inside most flow hoods found in modern laboratories. Having the incubator situated next to the microscope reduces the risks associated with dish movement.

The baffle plate fitted above the top incubation chamber ensures that even when sited in a flow hood the incubator performance is not impaired.

The CT37's design ensures dishes can be loaded and unloaded from any of the incubation chambers using a single handed technique, reducing the risk of contamination of the cells being cultured.

Each incubation chamber can be easily removed making cleaning easier.



It's the details that matter – EASY CLEANING

CT37stax™ Specification

Parameter	Specification
Number of Incubation Chambers	3,4,5 or 6
Size (Foot print)	440 x 440 mm
Maximum Dish capacity	6 chambers
35mm petri dish	72
60mm petri dish	36
Square multi well	24
Tray Dish Insert required	No, dish layout etched in chamber base
Individual Chamber Control	Yes
Temperature control range	Ambient +5 °C to 40 °C
Temperature accuracy	+/- 0.1 °C
Temperature Uniformity	+/- 0.2 °C
Heated Lids	Yes
Humidified Chamber	Yes via optional water tray, per chamber
Gas Input	Pre-mix
CO ₂ Range	Set via premix used
System control	Via PIMS software on PC
Data logging software	Yes via PIMS software
Alarm Parameters monitored	Temperature high and low; gas flow; power fail
Independent Monitoring Access	Yes, via independent PT100 temperature sensor
External Alarm Relay Output	Yes
Power Supply	Dual External Power Supplies

CT37stax™ Complete Incubator (non medical device for non human use)	
Part number	Description
GDCT37-GP-3	CT37stax™ Incubator base unit with 3 slots and chambers
GDCT37-GP-4	CT37stax™ Incubator base unit with 4 slots and chambers
GDCT37-GP-5	CT37stax™ Incubator base unit with 5 slots and chambers
GDCT37-GP-6	CT37stax™ Incubator base unit with 6 slots and chambers
CT37stax™ Complete Incubator (Approved Medical Device Version)	
GDCT37-M-3	CT37stax™ Incubator base unit with 3 slots and chambers (approved medical device)
GDCT37-M-4	CT37stax™ Incubator base unit with 4 slots and chambers (approved medical device)
GDCT37-M-5	CT37stax™ Incubator base unit with 5 slots and chambers (approved medical device)
GDCT37-M-6	CT37stax™ Incubator base unit with 6 slots and chambers (approved medical device)
CT37stax™ Up Grade Kits	
GDCT37-ADDCHSL	CT37stax™ Incubator additional slot and chamber kit
CT37stax™ Accessories	
AP103325	Secondary power supply for dual PSU option
PA102733	Humidification water tray (pack of 6)
FI103307	Gas filter (single)



Find out more about our range of products

For over 45 years, we have been helping hospitals, research laboratories, pharmaceutical companies and the IVF industry with the safe storage and preservation of medical and biological specimens.



FREEZING

Cryopreservation Products

Controlled Rate Freezers, Controllers, Sample Racking Systems and Consumables



INCUBATING

Incubation Products

Mini and Multi Chamber Benchtop Incubators for ART, Laboratory, Animal and Transgenic Applications



MONITORING

Alarm and Monitoring Systems

Comprehensive Laboratory Monitoring and Alarm Systems, Specialised Sensors and Monitors,



STORING

Cryogenic Storage Products

Liquid Nitrogen Freezers, Liquid Nitrogen Supply Tanks, Storage Racking Systems, Safety Handling Equipment, Sample Management Software



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