CO_2 INCUBATORS

14L

48L

GS Biotech
170L

GOLD
GS Biotech
220L

CO$_2$ INCUBATEURS 220L, 170L, 48L & 14L

Scottish based GS Biotech, design and manufacture a range of CO$_2$ Cell Culture Incubators. The range includes apparatus with 14, 48, 170 and 220 litre chamber capacities.

All models are close descendants of the first six-sided, direct heat incubator. GS Biotech has built on this lineage with smart blending of older and newer technologies to build reliability, performance and choice into the range - at a fair price.

The range is designed around a scalable architecture and offers the following features as standard:

- Optimum chamber environment, profiled heating creates gentle circulation – no fan or HEPA filter.

- High Temperature Decontamination Cycle: takes the internal temperature to 120°C and maintains this temperature for 4hrs before natural cooling to allow normal function.

- Seamless chamber, with rounded interior corners makes cleaning easy.

- Removable shelves are non-tip.

- Sealed inner glass door allows chamber viewing.

- CO$_2$ range programmable from 0.2 to 20 %.

- Temperature range programmable from 4°C above ambient to 50°C.

- Infrared CO$_2$ Sensor, with auto self-referencing function.

- Large, easy to read LCD display with LED backlight.

- Removable, seamless, stainless steel humidity reservoir.

- 25 mm access port for cable pass-through etc.

- HEPA filtration for all incoming gasses.

- Large range of options allows you to configure each incubator for each task.

- 2 Year Warranty.

Control System Safety Features Include:

- Independent over temperature cut-out.

- Calibration and programmed data internally backed up to guard against loss.

AVAILABLE OPTIONS

Oxygen Control

2 Oxygen control options are available: 1-19% & 0.1-19%.

Both control systems consist of nitrogen injection to accurately control the desired below ambient Oxygen level.

2 or 4-Inner Doors

The inner doors allow chamber conditions to be more readily maintained when frequent entry is required to the chamber.

Humidity Tray Warning

An optical level sensor is an option that monitors humidity tray water level, this consists of an audible alarm. The detection level provides in excess of 2 days normal operation loss so as to accommodate long weekend periods of non attendance.

GS Biotech

Technical Specifications

Temperature Management	220L Gold	170L Gold	48L Gold	14L Gold
Range:	4°C above ambient to 50°C	4°C above ambient to 50°C	4°C above ambient to 50°C	4°C above ambient to 50°C
Control:	± 0.1°C	± 0.1°C	± 0.1°C	± 0.1°C
Stability:	± 0.1°C	± 0.1°C	± 0.1°C	± 0.1°C
Uniformity:	± 0.3°C	± 0.3°C	± 0.3°C	± 0.3°C
CO_2 Control				
Range:	0.2% - 20%	0.2% - 20%	0.2% - 20%	0.2% - 20%
Control:	± 0.1%	± 0.1%	± 0.1%	± 0.1%
Stability:	± 0.1%	± 0.1%	± 0.1%	± 0.1%
Uniformity:	± 0.2%	± 0.2%	± 0.2%	± 0.2%
Recovery Rate:	> 0.7% per minute	> 0.7% per minute	> 0.7% per minute	> 1.5% per minute
Connection:	6mm tubing	6mm tubing	6mm tubing	6mm tubing
Gas Pressure:	0.35 BAR (5PSI)	0.35 BAR (5PSI)	0.35 BAR (5PSI)	0.35 BAR (5PSI)
Relative Humidity				
Tray Capacity:	2.0 Litres	2.0 Litres	0.8 Litres	0.3 Litres
Humidity:	Up to 95% @ 37°C	Up to 95% @ 37°C	Up to 95% @ 37°C	Up to 95% @ 37°C
Shelves				
Solid Shelves (included):	4	4	3	2
Dimensions WxD mm:	605 x 470	518 x 475	378x 281	215x 192
Dimensions				
Chamber WxDxH mm:	630 x 490 x 685	540 x 480 x 633	400 x 301 x 400	238 x 201 x 298
External WxDxH mm:	760 x 635 x 880	669 x 631 x 822	529 x 442 x 589	336 x 322 x 481
Crated WxDxH mm:	885 x 810 x 1115	794 x 806 x 1057	654 x 617 x 824	461 x 497 x 716
Unit Weight:	78kg	75kg	38kg	22kg
Crated Weight:	103kg	100kg	60kg	38kg
Electrical Supply				
Voltage:	100/120V 50/60Hz 220/240V 50/60Hz	100/120V 50/60Hz 220/240V 50/60Hz	100/120V 50/60Hz 220/240V 50/60Hz	100/120V 50/60Hz 220/240V 50/60Hz
Power:	500W (STD) 1000W (HT)	500W (STD) 1000W (HT)	500W (STD) 1000W (HT)	700W
Hold Energy:	< 0.1kWh @ 37°C	< 0.1kWh @ 37°C	< 0.1kWh @ 37°C	< 0.1kWh @ 37°C

*In addition to the individual options available,
we offer a wide range of complementary accessories.
Contact us!*

Features & available Options for models 220L, 170L, 48L & 14L

Features & Options	220L Gold	170L Gold	48L Gold	14L Gold
Seamless Chamber With Fully Rounded Corners	■	■	■	■
Dry Walled Chamber With No Condensate Spot	■	■	■	■
High Temperature Decontamination	■	■	■	N/A
Infrared Hermetically Sealed Co2 Sensor	■	■	■	■
CO_2 Auto Reference System	■	■	■	■
Sealed Inner Glass Door	■	■	■	■
Large Lcd Display With Led Backlight	■	■	■	■
25 mm Access Port With Sealing Plugs	■	■	■	■
RS232 Output Socket	■	■	■	■
On Board Datalogger	■	■	■	■
O_2 Control (1-19%)	□	□	□	□
O_2 Control (1-19%) or (0.1-19%)	□	□	□	N/A
Humidity Tray Warning	□	□	□	N/A
4 Inner Door Option	□	□	N/A	N/A
2 Inner Door Option	N/A	N/A	□	N/A
Option Codes				
CO_2 Incubators**	FB8220LGOLDHT	FB8170LGOLDHT	FB848LGOLDHT	FB814G230
O_2 Control 1-19%	FB8220G011	FB8170G011	FB848G011	FB814G011
O_2 Control 0.1-19%	FB8220G031	FB8170G031	FB848G031	N/A
Humidity Tray Warning	FB8220G018	FB8170G018	FB848G018	N/A
4 Inner Door Option	FB8220G022	FB8170G022	N/A	N/A
2 Inner Door Option	N/A	N/A	FB848G022	N/A

** Devices delivered as standard in 230V 50-60Hz, 110V available on request. Devices 220L, 170L and 48L have standard high temperature decontamination function, this function can be deleted on request.

Features & Options Key:	
Standard Feature	■
Available Option	□

CONTACT

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*CARLO ERBA Reagents opère
avec un système de gestion de la qualité certifié*