

48L GOLD



48L SILVER



Scottish based GS Biotech, design and manufacture a range of CO₂ Cell Culture Incubators. The range is initially comprised of:- 14, 48, and 170 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.
- ✓ Seamless chamber, with rounded interior corners makes cleaning easy.
- ✓ Removable shelves are non-tip.
- ✓ Sealed inner glass door allows chamber viewing.
- ✓ Temperature range programmable from 4 °C above ambient to 50 °C.
- ✓ Infrared CO₂ Sensor, with auto self-referencing function.
- ✓ CO₂ range programmable from 0.2 to 20 %.
- ✓ Large, easy to read LCD display with LED backlight.
- ✓ Removable, seamless, stainless steel humidity reservoir.
- ✓ 25mm 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.
- ✓ Optional data capture and reporting for QA and verification purposes.
- ✓ 3 Year Warranty (extendable).

Control System Safety Features Include:

- ✓ Independent over temperature cut-out.
- ✓ Calibration and programmed data internally backed up to guard against loss.



48L Model Options

1. High Temperature Decon Cycle

This option takes the internal temperature to 120°C and maintains this temperature for 4hrs before natural cooling to allow normal function.

GOLD & SILVER MODEL OPTION

2. 2-Inner Door Option

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

GOLD & SILVER MODEL OPTION

3. 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.

GOLD MODEL OPTION ONLY

4. 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.

GOLD & SILVER MODEL OPTION



Accessories

CO₂ CYLINDER AUTO CHANGEOVER UNIT
CO₂ TWO STAGE REGULATOR
IN LINE PRESSURE REGULATOR
CO₂ SUPPLY LINE FILTERS (2OFF)
CO₂ AUTO REFERENCE FILTER
HUMIDITY TRAY
CO₂ ELECTRONIC ANALYSER
CO₂ /O₂ ELECTRONIC ANALYSER
STACKING KIT

Order code

GSB-5000
GSB-5010
GSB-5030
GSB-5020
GSB-5060
GSB-5940
GSB-6150
GSB-6831
GSB-1160

TECHNICAL SPECIFICATION

TEMPERATURE MANAGEMENT

RANGE: 4°C ABOVE AMBIENT TO 50°C
CONTROL: ± 0.1°C
STABILITY: ± 0.1°C
UNIFORMITY ± 0.3°C

RELATIVE HUMIDITY

TRAY CAPACITY: 0.5 LITRES
HUMIDITY: UP TO 95% @ 37°C

SHELVES

SOLID SHELVES: 3 SHELVES
DIMENSIONS: 378(W) X 281(D)mm

CO₂ CONTROL

RANGE: 0.2 - 20%
CONTROL: ± 0.1°C
STABILITY: ± 0.2°C
UNIFORMITY: ± 0.1°C
RECOVERY RATE: > 0.7% PER MINUTE
CONNECTION: 6mm TUBING
GAS PRESSURE: 0.35BAR (5PSI)

DIMENSIONS

CHAMBER: 400(W) X 301(D) X 400(H)mm
EXTERNAL: 529(W) X 442(D) X 589(H)mm
CRATED: 654(W) X 617(D) X 824(H)mm

UNIT WEIGHT: 38KG
CRATED WEIGHT: 60KG

ELECTRICAL SUPPLY

VOLTAGE: 100/120V OR 220/240V
50/60 Hz

POWER: 500W(STD) / 1000W(HT)
HOLD ENERGY: < 0.1kWh @ 37°C



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

