



## Benchtop Incubator

# BT37 MarkII

### Designed to protect and care for every embryo

The BT37 MarkII benchtop incubator is packed with new features and is easy and intuitive to use.

The BT37 MarkII provides a consistent, optimal environment for embryo development, with improved functionality, ensuring that your embryos and gametes are protected and cared for throughout their culture.

Optimal homeostatic conditions in the whole chamber are maintained with the BT37 MarkII's precision control of all the required parameters.

Embryos are kept at the optimal temperature as the specially designed chamber base ensures heat transfer direct to the culture dish.

The clear touchscreen displays the chamber conditions and any alarm messages, providing an easy to use interface. The BT37 MarkII is protected by a comprehensive range of alarms and reminders to alert users if any action is required.

The incubator comes with an improved humidification system designed to simplify bottle changing.

- Precision control of environmental parameters
- Simple and Intuitive to use
- Clear touchscreen display
- Comprehensive protection
- Emergency battery back-up
- Remote access for independent monitoring



System	
Dimensions	435 mm wide x 330 mm deep x 185 mm high
Weight	17 kg
Storage temperature	-10 °C to +50 °C
Storage humidity	5 % to 95 % relative humidity non-condensing
Storage special instructions	Recharge every 4 months by connecting to the mains power supply for 24 hours
Operating environment	For indoor use only
Operating temperature	+5 °C to +40 °C for safe operation
Operating humidity	20 % to 80 % relative humidity non-condensing decreasing linearly to 50 % relative humidity at 40 °C
Altitude	up to 2000 m
Pollution degree	Pollution degree 2 (BS EN61010-1)
Control	
Temperature control range	(ambient + 5 °C) to (ambient + 20 °C). 40 °C max.
Temperature measurement accuracy	± 0.2 °C
Temperature control accuracy	± 0.1 °C measured after any transient effects due to set-point changes have subsided
Flow control range	0 ml/minute to 900 ml/minute. Normalised to 0 °C , 50 % RH and 1 bar
Flow accuracy	The greater of ± 10 % or ± 3 ml/minute
Flow control accuracy	The greater of ± 5 % or ± 2 ml/minute measured after any transient effects due to set-point changes have subsided
Capacity	
Dishes per chamber	4 x NUNC 4 well dishes
	4 x NUNC 60 mm Petri dishes
	10 x NUNC 30 mm Petri dishes
	4 x MINITUB 5 well dishes
	4 x FALCON 60 mm Petri dishes
Power	
Power requirements	100 - 240 V~ 50/60 Hz 2 A
Internal battery backup	Gelled sealed lead acid battery 12 V x 12 A.h
Gas supply	
Gas supply	Premixed gas. Typically 6 % CO <sub>2</sub> , 5 % O <sub>2</sub> , 89 % N <sub>2</sub>
Supply pressure	1.5 ± 0.15 bar
Connectors	SWAGELOK 1/4" tube fitting

**Humidifier Bottle and Filter Kits**  
The humidifier water bottle and filter must be replaced every 28 days (4 weeks)

**Order Code**  
AY102295  
AY200246

**Description**  
BT37 MarkI three tube humidifier bottle & filter kit (pack of six)  
BT37 MarkII single tube humidifier bottle and filter kit (pack of six)

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