CO2 Incubator
二氧化碳培养箱

型号RYX-50/RYX-150

- 使用温度范围|RT+5~55℃
- 温度分布精度±0.35℃
- 内容积50L 150L
- 精确控制二氧化碳浓度、温度的培养箱

● 产品特点 Features

- 远红外CO2传感器响应迅速、浓度控制精确、自动校准。
- 内置HEPA高效过滤器保证箱内空气质量达到CLASS100级。
- 微风循环系统,不干扰细胞培养。
- 门开启,风机自动停止防止内外空气交叉,加热停止预防过冲。·直热式六面加热+气套式设计,升温迅速,无过冲,保证良好均匀性。
- SUS304CU镜面不锈钢圆弧内胆具有抑菌功能,有效防止实验污染。
- 底加热自然蒸发增湿水盘保证高湿培养环境。
- 隐藏式UV杀菌灯对增湿盘水与循环空气进行消毒,保证实验环境清洁。
- 双门,强化玻璃双密封内门,防止CO2气体溢出。
- 可调方向外门设计可根据不同使用习惯选择左、右开门。
- 内门加热功能,防止结露。
- 进气高效过滤器DUF,对0.33UM以上尘埃过滤有效率达99.97%,最大限度减少箱内污染。
- 过升报警、CO2异常报警、低水位报警。
- PID控制便捷操作,定值运行,定时运行,自动停止,停电记忆、停电补偿、快速停止启动。
- 专用功能键实现温度设定。
- 辅助菜单,实现过升报警、偏差修正、菜单锁定。
- 专利号: 201320059701.3

● 安全性 Security

- 过升报警、菜单锁定、CO2异常报警、低水位报警、断电保护。

Carbon Dioxide Incubator (RYX)

● Characteristic

⊙ Sensitive far infrared CO2 sensor and automatic calibration function brings about accurate control of CO2 concentration.

⊙ HEPA filter installed inside ensures the inner air quality reaches level 100.

⊙ Breeze circulation system brings no effect to the cell culturing.

⊙ When the door is open, the fan will stop to keep from the convection of internal air and external air, and heating system will stop to prevent over temperature.

⊙ Direct 6-side heating wire heating, and air jacket design bring about short warming up time, no over temperature, and good uniformity.

⊙ SUS304 Cu mirror stainless steel chamber with foursquare arc transition design can keep from bacteria and experiment contamination.

⊙ Bottom heating natural evaporation humidification plate ensures high humidity culturing environment.

⊙ Hidden UV lamp sterilizes the water in the humidification plate and the circulating air to make the experiment environment clean.

⊙ Double layer door design: reinforced glass internal door makes sure the sealability.

⊙ Adjustable direction of door opening meets different custom users.

⊙ Internal door heating system keeps from moisture condensing.

⊙ Air inlet HEPA DUF filters dust of which diameter is larger than 0.33um with efficiency of 99.97%, and minimize the pollution in the working chamber.

⊙ Over-temperature alarm, CO2 concentration abnormity alarm, and warning water level alarm.

⊙ Convenient PID operation: running with data set and time set, automatic shut-down based on setting, and automatic recovery to previous status after power outage and recovery .

⊙ Special function key for temperature setting.

⊙ Auxiliary menus make over-temperature alarm, deviation adjusting, and menu lock come true.

| 电源/采样口 | 控制面板 | 电源 | 进气口 | 门控 |
| Switch / Sampling port | Control panel | Power Supply | Air inlet | Gating |

● **技术参数：**

型号		RYX-50	RYX-150
方式		六加热+微风循环+气套	
性能	使用温度范围	RT+5-55°C	
	温度分辨率	0.1°C	
	温度波动度	±0.1°C	
	温度分布精度	±0.35°C	
	CO_2浓度控制范围	0-20%	
	CO_2浓度波动度	±0.5%	
	箱内湿度	≥90%	
构成	内装	SUS304CU镜面不锈钢	
	外装	冷轧钢板，表面耐药品性涂装	
	断热材	聚氨酯	
	加热器	硅胶加热贴片	
	CO_2导入口	Φ8MM	
	CO_2过滤器	DUF进口	
	隔板	SUS304CU镜面不锈钢	
	额定功率	0.18KW	0.33KW
控制器	温度控制方式	PID	
	CO_2浓度控制方式	PID	
	设定方式	轻触6按键设定	
	温度表示方式	4位数码	
	CO_2浓度表示方式	3位数码	
	定时器	0-9999分钟（带定时等待功能）	
	运行功能	定值运行，定时运行，自动停止，快速停止启动	
	温度传感器	PT100	
	CO_2浓度传感器	进口	
	水位传感器	进口	
	附加功能	偏差修正，菜单按键锁定，停电补偿，停电记忆	
安全装置		过升报警，菜单锁定，CO_2异常报警，低水位报警	
规格	内尺寸（宽*深*高MM）	350*380*380	500*500*600
	外形尺寸（宽*深*高MM）	465*480*580	615*700*800
	包装尺寸（宽*深*高MM）	515*530*630	665*750*850
	内容积	50L	150L
	隔板重量	15KG	
	隔板层数	6层	9层
	隔板间距	35MM	
	电源（50/60HZ）额定电流	AC220V/0.8A	AC220V/1.5A
	净重/毛重KG	46/55	76/88
附属品	隔板	3件	
可增加配置		隔板，多气体培养，双气瓶自动切换	

● Technical parameters：

MODEL		RYX-50	RYX-150
APPLICATION		used for drying, baking, and thermal treatment	
HEATING AND AIR CIRCULATION TYPE		6-side heating wire+breeze circulation system+air jacket design	
PERFORMANCE	Temperature range	RT+5～55℃	
	Temperature resolution	0.1℃	
	Temperature fluctuation	±0.1℃	
	Temperature uniformity	±0.35℃	
	CO2 concentration range	0～20%	
	CO2 concentration fluctuation	±0.5%	
	chamber humidity	≥90%RH	
STRUCTURE	chamber material	SUS304 Cu mirror stainless steel	
	shell material	spraying cold rolled steel	
	thermal insulation material	PU	
	heating device	Nickel-chromium alloy heating wire with silica gel cover	
	CO2 intake	φ8mm	
	CO2 filter	DUF imported	
	shelf material	SUS304 mirror stainless steel	
	rated power	0.18KW	0.33KW
CONTROLLER	Temperature control	PID	
	CO2 concentration control	PID	
	Temperature setting	press the 6 keys slightly	
	Temperature display	4 digital tube display	
	CO2 concentration display	3 digital tube display	
	timer	0～9999 minutes(with timed wait)	
	operation function	running with data set and time set, and automatic shut-down based on setting	
	temperature sensor	Pt100	
	CO2 concentration sensor	imported	
	water level sensor	imported	
	additional function	deviation adjustment, menu buttons lock, power outage compensation, power outage memory	
SAFETY DEVICE		over-temperature alarm, menu lock, and CO2 concentration abnormity alarm, and warning water level alarm.	
SPECIFICATION	working size (W*D*Hmm)	350*380*380	500*500*600
	exterior size (W*D*Hmm)	465*480*580	615*700*800
	packing size (W*D*Hmm)	515*530*630	665*750*850
	working capacity	50L	150L
	load bearing of shelf	15KG	
	shelf bracket groove	6	9
	height between shelves	35MM	
	Power source(50/60Hz)/Rated current	AC220V/0.8A	AC220V/1.5A
	NW/GW	46/55	76/88
ACCESSORY	shelf	3PCS	
OPTIONAL DEVICE		shelf, multiple gas culturing, double gas cylinder automatic change, RS485 port, printer, recorder, external communication, remote control.	