

MCO CO₂ Incubators

Optimising cell culture outcomes and reproductivity

Ambient temp. +5°C to 50°C

MCO Multi-Gas Incubators

Ambient temp. +5°C to 50°C



MCO-230AIC/MCO-230AICL 230 L
MCO-230AICUV/MCO-230AICUVL



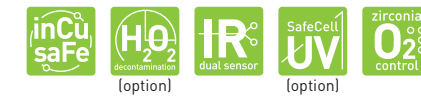
MCO-170AIC/MCO-170AICL 165 L
MCO-170AICUV/MCO-170AICUVL
MCO-170AICUVH/MCO-170AICUVHL



MCO-170AICD/MCO-170AICDL 165 L
MCO-170AICUVD/MCO-170AICUVDL



MCO-170M 161 L
MCO-170ML



MCO-5M 49 L



Model No.	MCO-230AIC MCO-230AICL MCO-230AICUV MCO-230AICUVL	MCO-170AIC MCO-170AICL MCO-170AICUV MCO-170AICUVL MCO-170AICUVH MCO-170AICUVHL	MCO-170AICD MCO-170AICDL MCO-170AICUVD MCO-170AICUVDL
Temperature Control Range	Ambient temperature + 5°C to 50°C (AT 5°C to 35°C)		
CO ₂ Range	0 to 20%		
Humidity	95 ±5% R.H.		
Interior Volume	230 litres	165 litres	165 litres
External Dimensions (W x D x H)*	770 x 730 x 905 mm	620 x 730 x 905 mm	620 x 755 x 905 mm
Internal Dimensions (W x D x H)	643 x 523 x 700 mm	490 x 523 x 665 mm	490 x 523 x 665 mm
Net Weight (Approx.)	90 kg	80 kg	79 kg [AICD], 80 kg [AICUVD]

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections.

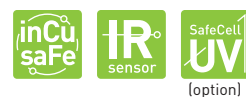
*1 Standard for Model No. Including UV
*2 Standard for Model No. Including UVH

Model No.	MCO-170M/170ML	MCO-5M
Temperature Control Range	Ambient temperature + 5°C to 50°C (AT 5°C to 35°C)	
CO ₂ Range	0 to 20%	
O ₂ Range	1 to 18%, 22 to 80%	
Humidity	95 ±5% R.H.	
Interior Volume	161 litres	49 litres
External Dimensions (W x D x H)*	620 x 730 x 905 mm	480 x 548 x 575 mm
Internal Dimensions (W x D x H)	490 x 523 x 665 mm	350 x 378 x 375 mm
Net Weight (Approx.)	77 kg	50 kg

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections.



MCO-80IC 851 L



MCO-5AC 49 L



MCO-18AC 170 L



Model No.	MCO-5AC	MCO-18AC	MCO-80IC
Temperature Control Range	Ambient temperature + 5°C to 50°C (AT 5°C to 35°C)		
CO ₂ Range	0 to 20%		
Humidity	95 ±5% R.H.		Normal mode; Over 80% R.H. High humidity mode; Over 90% R.H.
Interior Volume	49 litres	170 litres	851 litres
External Dimensions (W x D x H)*	480 x 548 x 575 mm	620 x 710 x 900 mm	986 x 853 x 2040 mm
Internal Dimensions (W x D x H)	350 x 378 x 375 mm	490 x 523 x 665 mm	806 x 693 x 1524 mm
Net Weight (Approx.)	49 kg	92 kg	275 kg

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections.

Stacking Kits (optional)

Lower unit	Upper unit MCO-170AIC/170AICL MCO-170AICUV/170AICUVL MCO-170AICUVH/170AICUVHL MCO-170M/170ML	MCO-170AICD MCO-170AICDL MCO-170AICUVD MCO-170AICUVDL	MCO-230AIC MCO-230AICL MCO-230AICUV MCO-230AICUVL	MCO-5AC MCO-5M	MCO-18AC
MCO-170AIC/170AICL MCO-170AICUV/170AICUVL MCO-170AICUVH/170AICUVHL MCO-170M/170ML	MCO-170PS-PW	MCO-170PS-PW	—	—	—
MCO-170AICD/170AICDL MCO-170AICUVD/170AICUVDL	MCO-170PS-PW	MCO-170PS-PW	—	—	—
MCO-230AIC/230AICL MCO-230AICUV/230AICUVL	MCO-230SB-PW	MCO-230SB-PW	MCO-170PS-PW	—	MCO-230SB-PW
MCO-5AC/MCO-5M	—	—	—	(Standard)	—
MCO-18AC	MCO-170SB-PW	MCO-170SB-PW	—	—	(Standard)*

*0.5 kit is included and fixed under rear cover of MCO-18AC.

Other Options (for MCO series)

	MCO-170AIC/170AICL MCO-170AICUV MCO-170AICUVL MCO-170AICUVH MCO-170AICUVHL MCO-170M/170ML	MCO-170AICD MCO-170AICDL MCO-170AICUVD MCO-170AICUVDL	MCO-230AIC MCO-230AICL MCO-230AICUV MCO-230AICUVL	MCO-5AC MCO-5M	MCO-80IC	MCO-18AC
UV system set*5	MCO-170UVS-PE*3/PA*4	MCO-170UVSD-PE*3	MCO-170UVS-PE*3/PA*4	MCO-19UVS-PE*3/PA*4/PK	MCO-80UVS-PE*3/PA*4/PK	MCO-18UVS3-PE*3/PA*4/PK
H ₂ O ₂ decon board	MCO-170HB-PE*3/PA*4	—	MCO-170HB-PE*3/PA*4	—	—	—
Electric Lock	MCO-170EL-PW	Standard	MCO-170EL-PW	—	—	—
H ₂ O ₂ generator	MCO-HP-PW	—	MCO-HP-PW	—	—	—
H ₂ O ₂ reagent	MCO-H2O2-PW	—	MCO-H2O2-PW	—	—	—
Gas regulator	MCO-010R-PW	MCO-010R-PW	MCO-010R-PW	MCO-010R-PW	—	MCO-010R-PW
Gas auto changer	MCO-216C-PW	MCO-216C-PW	MCO-216C-PW	MCO-56C-PW	MCO-806C-PW	MCO-216C-PW
STD gas auto calibration kit	MCO-SG-PW	MCO-SG-PW	MCO-SG-PW	—	—	—
Tray (same as standard accessory)	MCO-170ST-PW	MCO-170ST-PW	MCO-230ST-PW	MCO-30ST-PW	MCO-80ST-PW	MCO-47ST-PW
Half tray	MCO-25ST-PW	MCO-25ST-PW	MCO-30ST-PW	—	—	MCO-25ST-PW
Roller base	MCO-170RB-PW	MCO-170RB-PW	MCO-230RB-PW	MCO-5RB-PW	—	MCO-170RB-PW
Small door	MCO-170ID-PW	—	—	—	MCO-80ID-PW	—
Interface board*6	MTR-L03-PW or MTR-480-PW	MTR-L03-PW or MTR-480-PW	MTR-L03-PW or MTR-480-PW	MTR-L03-PW or MTR-480-PW	MTR-L03-PW or MTR-480-PW	MTR-L03-PW or MTR-480-PW
Interface board (4-20 mA Transmitter)	MCO-420MA-PW	MCO-420MA-PW	MCO-420MA-PW	—	—	—
Roller bottle rack mount	—	—	—	—	MCO-80RBS-PW	—
Auto water supply system	—	—	—	—	MCO-80AS-PW	—

*3 For 220 V—240 V 50 Hz—60 Hz *4 For 110 V—120 V 60 Hz *5 MCO-170UVSD is equipped with MCO-170AICUV/170AICUVL/170AICUVH/170AICUVHL and MCO-230AICUV/230AICUVL as standard. MCO-170UVS is equipped with MCO-170AICUV/170AICUVL/170AICUVH/170AICUVHL and MCO-230AICUV/230AICUVL as standard. *6 Only for MTR-5000 (data acquisition system) users.

MIR Cooled Incubators

-10°C to 60°C

All-round performance



MIR-154 123 L



MIR-254 238 L



MIR-554 406 L

Model No.	MIR-154	MIR-254	MIR-554
Temperature Control Range	-10°C to 60°C (AT 5°C to 35°C)		
Interior Volume	123 litres	238 litres	406 litres
External Dimensions (W x D x H)*	700 x 580 x 1018 mm	700 x 580 x 1618 mm	800 x 832 x 1810 mm
Internal Dimensions (W x D x H)	620 x 368 x 555 mm	620 x 368 x 1088 mm	640 x 550 x 1160 mm
Net Weight (Approx.)	78 kg	108 kg	195 kg

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections.

MIR Heated Incubators

Ambient temp. +5°C to 60°C (AT 0 to 20°C)
 Ambient temp. +5°C to 80°C (AT 20 to 35°C)

Intuitive and easy operable Heated Incubators



MIR-H163 93 L



MIR-H263 153 L

Model No.	MIR-H163	MIR-H263
Temperature Control Range	Ambient temp. +5°C to 60°C (AT 0°C to 20°C), Ambient temp. +5°C to 80°C (AT 20°C to 35°C)	
Interior Volume	93 litres	153 litres
External Dimensions (W x D x H)*	580 x 595 x 820 mm	730 x 645 x 870 mm
Internal Dimensions (W x D x H)	450 x 460 x 450 mm	600 x 510 x 500 mm
Net Weight (Approx.)	50 kg	67 kg

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections.

MLR Climate Chambers

0°C to 50°C (Lamp OFF)
 10°C to 50°C (Lamp ON)

Versatile Climate Chambers



MLR-352H 294 L

Model No.	MLR-352	MLR-352H
Temperature Control Range	0°C to 50°C (Light OFF) 10°C to 50°C (Light ON)	5°C to 50°C (Light OFF) 10°C to 50°C (Light ON)
Humidity Control Range	—	60 to 90 % RH (Light OFF) 55 to 85 % (Light ON)
Interior Volume	294 litres	
External Dimensions (W x D x H)*	760 x 700 x 1835 mm	
Internal Dimensions (W x D x H)	520 x 490 x 1135 mm	
Net Weight (Approx.)	226 kg	235 kg

* External dimensions of main cabinet only - see dimension drawings on flyers showing handles and other external projections. H: Humidifier type

• The surface of the cooling device may rust by the excrement of the insects when putting many insects in the chamber. We recommend frequent maintenances.