

COLD CHAIN PRODUCT

Laboratory/Blood Bank Refrigerator

-25°C/-40°C/-60°C/-86°C/-150°C Freezer

Freeze Dryer

Automatic Ice Maker

Liquid Nitrogen Tank



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SCITEK

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ABOUT SCITEK

SCITEK GLOBAL IS PROFESSIONAL MANUFACTURER OF LABORATORY INSTRUMENTS AND MEDICAL DEVICES, CERTIFIED BY ISO9001, ISO13485 AND ISO14001. PRODUCTS ARE CERTIFIED BY ETL, CE AND FDA ETC. WE LOOK FORWARD TO ESTABLISHING COOPERATION WITH MORE DISTRIBUTORS ALL OVER THE WORLD, AND WORKING TOGETHER TO CREATE GREATER CUSTOMER VALUE. TOGETHER WE WILL BE DIFFERENT.

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ISO 14001



ISO 9001



ISO 45001



CE



CE



CE



CE

Laboratory Refrigerator(2-8℃)



Description

2~8℃ Medical Refrigerator are specially designed to store medicines, vaccines, reagent and bio-medical products



Inner acrylic doors



Adjustable shelves



Safety door lock prevents unauthorized access.



Forced-air cooling system

Advantage

- Forced-air cooling system with electrical heat compensation controlled by microprocessor.
- Auto-defrost system ensure no moisture on cooling surface.
- Hollow Insulation designed double-layer toughened glass door(MR-5V100).
- Clear LED screen and control panel support easy display and operation.
- Leveling feet for easy fixation.

Safety

- Lockable doors and password protected microprocessor parameter setting.
- Build-in backup battery to display temperature and operate audible and visual alarm systems.
- Inner doors monitor to turn on/off cooling fan to prevent cold air from leaking out.
- Audible buzzer and visible flashing temperature alarm system for high/low temperature, power failure, voltage abnormal, door ajar, backup battery.

Ergonomic Design

- Safety lock prevents unauthorized access.
- Detachable and separated basket for maximum safety storage and use.
- Automatic ON/OFF light also controlled from control panel.
- Standard 25mm test hole for connecting temperature monitoring systems. (MR-5V60; MR-5V100)
- Lockable universal castor wheels.



Specification

Model		MR-5V60	MR-5V100
Capacity (L)		60	100
Door Type		Glass	Glass
Size(WxDxH)	Internal (mm)	410×315×560	385×356×737
	External (mm)	490×440×710	505×510×875
Temperature	Range (℃) at RT.10~32℃	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)
	Sensor	NTC	NTC
	Controller	Microprocessor	Microprocessor
Cooling system	Refrigerant	R600a (CFC Free)	R600a (CFC Free)
	Defrost	Auto	Auto
	Compressor Qty	1	1
Display		Digital display	Digital display
Audible & Visible Alarm	Standard	High/Low temperature, door ajar	
	Power Failure Backup System (Alarm)	8h	10h
Material	Internal	Electro-galvanized steel with antimicrobial powder coating	HIPS
	External	Electro-galvanized steel with antimicrobial powder coating	
Accessories	USB Port	Optional	Optional
	Casters	/	Standard
	Chart Recorder	/	/
	Data Logger	Optional	Optional
	Remote Alarm Port	Standard	/
	Test Hole (Qty) / Φ (mm)	1/25	/
Shelves (Qty)		2	3
Sound Emission (dB)		50	50
Electricity	Power Supply	AC110/220V±10%, 50/60Hz	
	Consumption (W)	75	80
N.W./G.W. (Kg)		33/37	35/38
Shipping Size (WxDxH) (mm)		558×510×760	580×580×940

Laboratory Refrigerator (2-8℃)



Laboratory Refrigerator (2-8℃)



Laboratory Refrigerator (2-8℃)

Specification

Model		MR-5V250	MR-5V310	MR-5V320	MR-5V315	MR-5V415	MR-5V420
Capacity (L)		226	312	316	316	416	416
Size(WxDxH)	Internal (mm)	534×406×1150	560×485×1350	540×425×1380	540×425×1380	685×429×1380	685×429×1380
	External (mm)	625×574×1707	650×624×1902	660×555×1925	640×554×1925	785×552×1927	785×552×1927
Temperature	Range (℃) at RT.10~32℃	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)	2~8 (Optional 2~10; 2~14)
	Sensor	NTC	NTC	NTC	NTC	NTC	NTC
	Controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R600a (CFC Free)	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)	R290 (CFC Free)
	Defrost	Auto	Auto	Auto	Auto	Auto	Auto
	Compressor (Qty)	1	1	1	1	1	1
Display		Digital display	Digital display	Digital display	Digital display	Digital display	Digital display
Audible & Visible Alarm	Standard	High/Low temperature, Power failure, Thermostat failure,door ajar					
	Power Failure Backup System (Alarm)	8h	8h	8h	72h	72h	8h
Material	Internal	Blister liner	Blister liner	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating
Accessories	USB Port	Optional	/	Optional	Standard	Standard	Optional
	Casters	Standard	Standard	Standard	Standard	Standard	Standard
	Data Logger	Optional	Optional	Optional	Optional	Optional	Optional
	Remote Alarm Port	Optional/(Free)	Standard	Standard	Standard	Standard	Standard
	RS232/485 port	Optional	Optional	Optional	Standard	Standard	Optional
	Test Hole (Qty) / φ (mm)	1/25	1/25	1/25	1/25	1/25	1/25
Shelves (Qty)		Shelves/4	Shelves/5	Shelves/5	Shelves/6, Basket/1	Shelves/6, Basket/1	Shelves/5
Sound Emission (dB)		50	50	50	50	50	50
Electricity	Power Supply	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz	AC110/220V±10%, 50/60Hz
	Consumption (W)	140	245	240	294	330	280
N.W./G.W. (Kg)		73/76	86/90	92.5/100	92.5/100	120/133	120/133
Shipping Size (W×D×H) (mm)		707×676×1745	710×680×1960	704×637×2000	704×637×2000	880×640×2100	880×640×2100

Laboratory Refrigerator (2-8℃)



MR-5V270



MR-5V360

Advantage

- Temperature control system: microcomputer control, precise temperature control, the temperature inside the box is controlled within the range of 2℃~8℃, and the temperature display is accurate to 0.1℃;
- Temperature uniformity: large fan and layered air supply technology ensure temperature uniformity and fluctuation, and the temperature difference inside the chamber is ±2℃;
- Double-layer tempered coated glass door, Low-E glass, good heat insulation effect, no bead or flow-level condensation at 25℃ and 80% humidity;
- Equipped with USB data interface, it can store temperature data within one month;
- Multiple alarm functions: over-temperature alarm, door opening alarm, sensor failure alarm, power failure alarm (can last for more than 48 hours), remote alarm (optional);
- Two alarm modes: sound buzzer and light flashing;
- Equipped with test hole, it is convenient for users to add third-party detection sensors by themselves;
- Independent safety door lock design prevents arbitrary opening to ensure safe use.

Specification

Model		MR-5V270	MR-5V360
Capacity (L)		265	365
Temperature range (℃)		2~8	2~8
Temperature display		LED digital display	LED digital display
Temperature Accuracy (℃)		0.1℃	0.1℃
Refrigerant		R290	R290
Compressor		1	1
Refrigeration Method		Air Cooling	Air Cooling
Defrosting Method		Automatic Defrosting	Automatic Defrosting
Evaporator		Finned Evaporator	Finned Evaporator
Condenser		Back Wire Condenser	Back Wire Condenser
Condensate Treatment		Self-evaporation Design	Self-evaporation Design
Temperature sensor		4 NTC	4 NTC
Backup battery		Standard	Standard
Sound and light alarm	Standard	Password protection,Pressure protection,Wide voltage design,Over-temperature alarm,Door opening alarm,Sensor failure alarm,Power failure alarm	Password protection,Pressure protection,Wide voltage design,Over-temperature alarm,Door opening alarm,Sensor failure alarm,Power failure alarm,Low battery alarm
	Remote alarm	/	/
Material	External material	Pre-coated board	Pre-coated board
	Inner material	HIPS	HIPS
	Foaming material/foaming thickness	Cyclopentane/45mm	Cyclopentane/45mm
	Door body/thickness	Single-layer Low-E glass	Single-layer Low-E glass
Electricity	Power Supply	220V;50Hz	220V;50Hz
	Input power (W)	285	320
	Rated input current (A)	1.5	1.6
	Power consumption (kW·h/24h)	2.1	2.2
	Noise level (dB(A))	38	40
Accessories	Safety lock	Standard	Standard
	External lock hole	Standard	Standard
	Light	Standard	Standard
	Casters/feet (pcs)	2 directional + 2 universal + 2 feet	Universal wheels 4/support feet 2
	Shelf	4	5
	Test holes	1	1
	Simulation temperature box (pcs)	2	2
	USB port	Standard	Standard
	Printer	Optional	Optional
	Internal Size (W×D×H)mm	455×442×1309	570×492×1370
External Size (W×D×H)mm		540×630×1888	660×678×1980
Net weight (Kg)		60	100
Gross weight (Kg)		91	120
Shipping Size (W×D×H)mm		588×664×2027	708×744×2132

Double Door/Three Door Refrigerator (2-8℃)



Double Door/Three Door Refrigerator (2-8℃)



Double Door/Three Door Refrigerator (2-8℃)

Specification

Model		MR-5V660	MR-5V1000	MR-5V1500
Capacity (L)		656	1006	1500
Size (WxDxH)	Internal (mm)	1100×454×1325	1100×684×1325	1680×595×1312
	External (mm)	1220×630×1885	1220×860×1885	1800×775×1965
Temperature	Range (℃) at RT.10~32℃	2~8(Optional 2~10; 2~14)	2~8(Optional 2~10; 2~14)	2~8(Optional 2~10; 2~14)
	Sensor	NTC	NTC	NTC
	Controller	Microprocessor	Microprocessor	Microprocessor
Cooling System	Refrigerant	R290 (CFC Free)	R290 (CFC Free)	R134a (CFC Free)
	Defrost	Auto	Auto	Auto
	Compressor Qty	1	1	Secop/1
Display		Digital display	Digital display	Digital display
Audible & Visible Alarm	Standard	High/low temperature, power failure, thermostat failure, door ajar	High/low temperature, power failure, thermostat failure, door ajar	High/low temperature, power failure, thermostat failure, door ajar
	Power Failure Backup System (Alarm)	8h	8h	8h
Material	Internal	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	304 stainless steel
	External	Electro-galvanized steel with antimicrobial powder coating	Electro-galvanized steel with antimicrobial powder coating	304 stainless steel
Accessories	USB Port	Optional	Optional	Optional
	Castors	Standard	Standard	Standard
	Chart Recorder	Optional	Optional	Optional
	Data Logger	Optional	Optional	Optional
	Remote Alarm Port	Optional	Optional	Optional
	Test Hole (Qty) / Φ (mm)	1/25	1/25	Optional
Shelves(Qty)		10 Shelves	10 Shelves	12 Shelves
Sound Emission (dB)		52	53	55
Electricity	Power Supply	220/50Hz/60Hz, 110/60Hz	220/50Hz/60Hz, 110/60Hz	220/50Hz/60Hz, 110/60Hz
	Consumption (W)	403	400	1065
N.W./G.W. (Kg)		166/184	189/213	245/280
Shipping Size (W×D×H) (mm)		1280×670×1950	1280×900×1950	1940×880×2035