



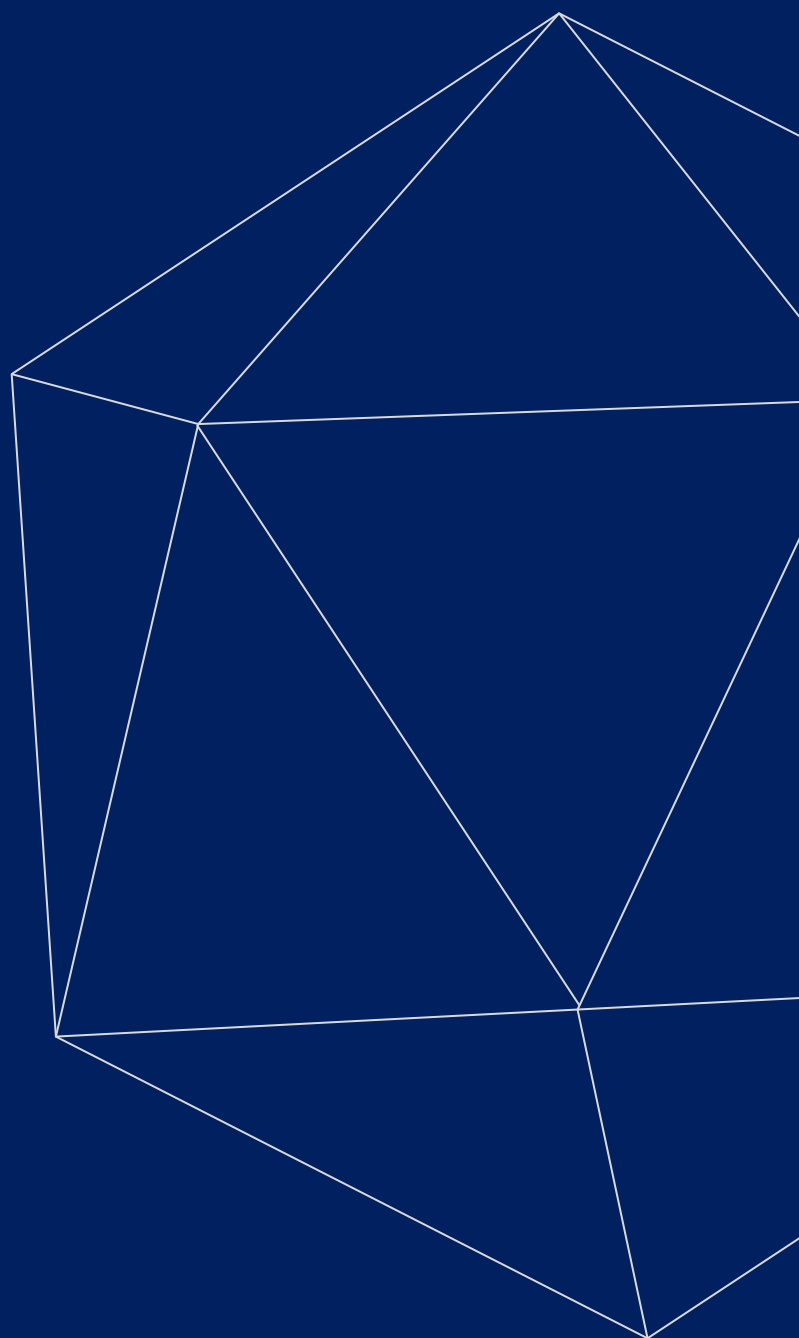
LABORATORY LINES

REFRIGERATORS AND
FREEZERS



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In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



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With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



KALSTEIN® Medical Freezer Doble Door Freezer -25°C

Model Series YR05293



YR05311 (358 L)

Kalstein's -25 °C Doble Door Medical Freezer Series YR05293 are specially designed for long term storage of various biological products, including viruses, germs, erythrocytes, leucocytes and cutis. Applications can be found in blood banks, hospitals, epidemic prevention services, and research institutes, laboratories in electronic and chemicals plants, biological engineering institutes and marine fishery companies.

Features

- ✓ Independent inner door to avoid more cooling leaking out and provide more stable inside temperature performance.
- ✓ Upright side door with build-in handle for easy-opening; limit door hinge to prevent collision when door open.
- ✓ Lockable caster design for customer to move as needed.
- ✓ Wide voltage tolerance design with applicable voltage range of 187 ~ 242 V/AC
- ✓ Dual LED digital display screen can display the temperature data of the upper and lower rooms independently.
- ✓ Drawers are designed with PS materials, which are more durable and safer to store.

Reliability

- ✓ Chemical stable, CFC-free, commercially available and environmentally, safe refrigerant.
- ✓ High density CFC-free urethane foam insulation for rigidity and stable storage temperature.
- ✓ Microprocessor control.
- ✓ Digital display adjustable temperature range: -10 C ~ -25C.
- ✓ LED digital display for clear observation.

Safety

- ✓ Multiple malfunction alarm including high and low temperature, sensor error, power off, temperature controller malfunction, door ajar.
- ✓ Two type of alarm indications: audible buzzing and visible flashing light.
- ✓ Power failure protect: the device would be attack by high current when all device restart simultaneously, the start- delay function would protect device from the damage.
- ✓ Controller password protect function to avoid change running parameter randomly.



YR05321 (368 L)

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KALSTEIN® Medical Freezer Doble Door Freezer -25°C

Model Series YR05293



High-end professional controller with full function



YR05097

YR05311 / YR05321



Build-in temperature probe



Independent inner door to avoid more cooling leaking out, and provide more stable inside temperature performance



Tough casters with brake



YR05311 (358 L)

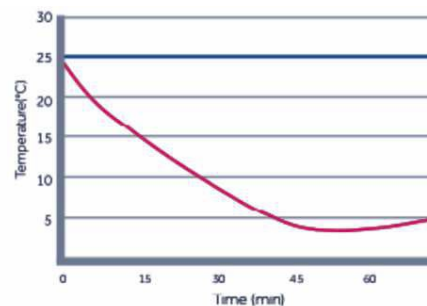
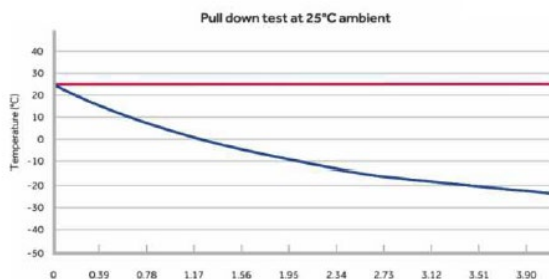


YR05321 (368 L)



YR05098 (528 L)

Function System



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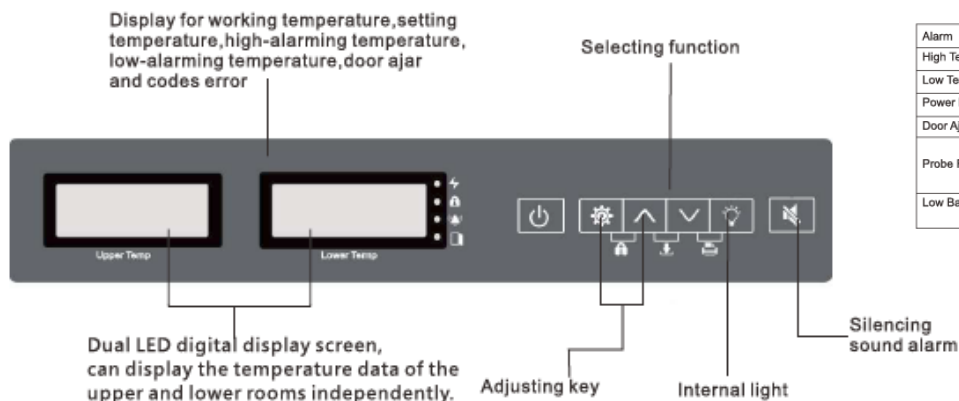


KALSTEIN® Medical Freezer Doble Door Freezer -25°C

Model Series YR05293



Control Panel



Alarm	Alarm Triggering Condition
High Temperature	Temperature reaches the warm alarm limit
Low Temperature	Temperature reaches the low alarm limit
Power Failure	Equipment loses power
Door Ajar	Door open audible and visual alarm
Probe Failure	1. Main cabinet temperature control sensor fails 2. Sensor fails
Low Battery	Battery capacity runs low or battery switch is not turned on

Characteristic Function



Microprocessor system, LED digital display, precise electronic temperature control and display, with accuracy of 0.1 °C; the temperature of refrigerator room and freezer room are displayed independently, which is convenient for observation. And the operation status and alarm type of refrigerator are displayed simultaneously.



YR05321 (368 L)

2 independent door up and down: upper door is electric heating foamed glass door, below is foamed door.
The temperature of the refrigerator room is in the range of 2-8 °C, and freezer room is in the range of -10 °C ~ -25 °C \ -25 °C -40 °C.

Two test holes are equipped on the right of the cabinet, installing the temperature recorder to detect the temperature change of each room

Independent refrigeration system is used in the refrigeration room and freezer respectively, with independent display and temperature control



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KALSTEIN® Medical Freezer Doble Door Freezer -25°C

Model Series YR05293



	Model	YR05293	YR05097	YR05294	YR05311
Specifications	Shelf (drawer)	Shelves	Drawers/7	Shelves	Shelves/12 drawers
	Cooling method	Direct cooling	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual	Manual
	Refrigerant	R290	R290	R290	R290
	Power consumption(kWh/24h)	3	1.5	3	/
	Noise (db)	46	46	46	49
	Ambient temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature range (°C)	-10~-25°C	-10~-25°C	-10~-25°C	-10~-25°C
Cooling system	Compressor brand/QTY	CUBIGELN/1	DONPERN/1	CUBIGELN/1	CUBIGEL/2
	Sensor	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	Digital display	Digital display	Digital display	Digital display
Power	Voltage/frequency (V/Hz)	220/50Hz	220/50Hz	220/50Hz	220/50Hz
	Power (W)	180W	180W	180W	/
	Current (A)	1.4A	1.5A	1.4A	/
Material	Inside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Outside material	Color sprayed steel	Color sprayed steel	Color sprayed steel	Color sprayed steel
	Insulation	PURF	PURF	PURF	PURF
Size	Capacity (L/cu.ft)	268/9.46	278/9.81	328/11.58	358/12.6
	NT./GT. (kg)	93.5/113.5	85/101	104/125	138/178
	Exterior size(W*D*H)(mm)	690*680*1635	670*640*1695	690*680*1900	720*830*1870
	Interior size(W*D*H)(mm)	508*455*1137	480*415*1460	508*455*1393	466*636*625
	Package size(W*D*H)(mm)	760*760*1750	730*670*1850	750*760*2030	780*920*1990
	CBM	1.01	0.90	1.16	1.43
	20GP/40GP/40HQ	21/45/45	24/51/51	21/48/48	18/39/39
Alarm	High/low temperature	Y	Y	Y	Y
	Power off	Y	/	Y	Y
	Sensor malfunction	Y	Y	Y	Y
	Ambient temperature (°C)	/	/	/	Y
	Abnormal voltage	/	/	/	/
	Temperature controller malfunction	Y	Y	Y	Y
	Door ajar	Y	Y	Y	Y
	Power failure backup system (alarm)	8H	8H	8H	8H
Accessories	Caster	Y	Y	Y	Y
	Test hole	1/25MM	1/25MM	1/25MM	2/25MM
	USB port	/	/	/	Y
	Data logger	Optional	Optional	Optional	Optional
	Remote alarm	Y	/	Y	Optional
Other	Certification	ISO,CE	ISO,CE	ISO,CE	ISO



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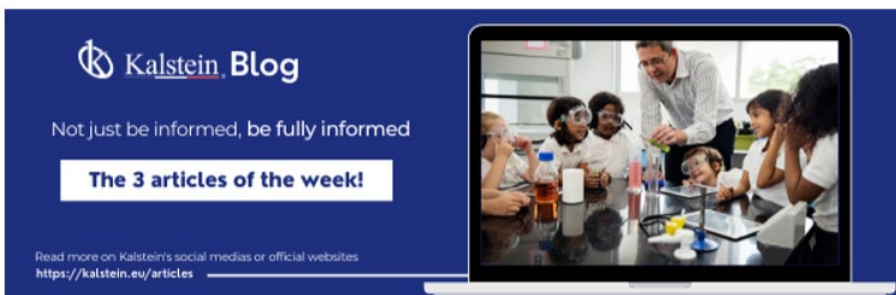
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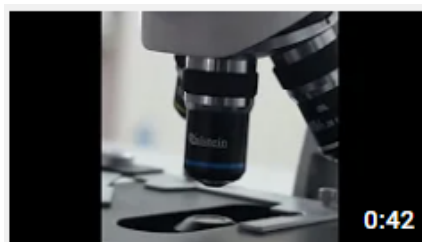
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PARIS - FRANCE
HEADQUARTER
2 Rue Jean Lantier
75001 Paris - France

Tlf: +33 (0) 01 78 95 87 89
Cel: +33 (0) 6 80 76 07 10
sales@kalstein.eu

<https://kalstein.eu/>
<https://www.kalstein.fr/>

