# Комбинированные холодильники и морозильники YCD-EL300, YCD-EL450, YCD-FL289, YCD-FL450, YCD-FL519

Технические характеристики

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# 2°C~8°C/-10°C~-40°C Medical Comibined Refrigerator And Freezer YCD-FL519

- •High-precision Temperature Control System
- •High-efficiency Refrigerating System
- •Electric heating and LOW-E anti-condensation effect
- •Standard with Build-in USB datalogger
- •Pharmaceutical professional grade refrigerated and freezer

Meling 2°C~8°C/-10°C~-40°C combination refrigerator freezer YCD-FL519 is designed with separate control of refrigeration and freezing. It comes with two compressors and separate control of upper refrigeration chamber and lower freezer chamber. This fridge freezer combo adopts Freon-free refrigeration, which is environmentally friendly and energy-saving. And it comes with updated thermal insulation with CFC-free polyurethane foam technology and thicker insulation layer. The high-precision computerized temperature control helps you to set the upper temperature in a range of 2°C~8°C and lower temperature in a range of -10°C~-40°C. Meling 2°C~8°C/-10°C~-40°C Medical Refrigerator & Freezer YCD-FL519 is specially designed for reagent and other medical and laboratory materials storage.

#### **High-precision Temperature Control System**

The digital temperature and humidity are displayed independently, and operating status can be viewed and checked clearly. You are able to set the high temperature or low temperature alarm points on the medical grade refrigerator freezer freely based on your needs. And you can set the upper temperature in a range of 2°C~8°C and lower temperature in a range of -10°C~-40°C.

#### **High-efficiency Refrigerating System**

This commercial refrigerator freezer is equipped with CFC free refrigerant and high-efficiency compressor, ensuring rapid cooling, energy-saving and high efficiency. It has two compressor and separately controls the upper refrigeration chamber and lower freezing chamber. With no CFC polyurethane foaming technology and thicker insulation layer, it can ensure good insulation effect.

#### **Comprehensive Security System**

This medical refrigerator and freezer has 8 kinds of audible and visual alarm functions, including high\low temperature alarm, high ambient temperature alarm, sensor failure alarm, low battery alarm, communication failure, (USB) data download failure alarm, door ajar alarm, and power failure alarm, which ensure safer sample storage.

# **Features**

Combined refrigerator and freezer with upper 2°C ~ -8°C and lower-10°C~-40°C

Electronic temperature control for high-precision temperature and constant temperature Separate cooling type with upper fan direct cooling and lower direct cooling

With 2 compressors and separate control of upper refrigeration chamber and lower freezing chamber

Digital temperature display for precisely control temperature and clearly monitor operating status

Equipped with stainless steel inner material and three layers stainless steel clapboard Equipped with sheet metal refrigerated drawers and acrylic plates

Inter-room independent door lock and independent external padlock to ensure safe sample storage

Electric heating and LOW-E, double glazing, good anti-condensation effect

LED lighting in the cabinet of the combination refrigerator freezer for easy operation

Standard with Build-in USB datalogger for temperature data recording

Three-layer ABS drawer in the freezer compartment;

4 universal wheels+2 caster with brake at the front and back, easy to move and place

# Scope of Application

Pharmaceutical professional grade refrigerated and freezer Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, laboratories in colleges &

 $2 \sim 8^{\circ}\text{C}$  /-10  $\sim$  -40°C Combined Refrigerator & Freezer

Cabinet type Upright Capacity(L) 519, R:323, F:196 Internal size(W*D*H)mm R:750*610*740 , F:650*560*565 External size(W*D*H)mm 910*740*1972 Package size(W*D*H)mm 990*855*2140 NW/GW(Kgs) 186/215 Performance Temperature range R:2 ~ 8, F:-10 ~ -40 Ambient temperature 16-32*C Cooling performance R:5, F:-40 Climate class N Controller Microprocessor Display Digital display Refrigeration Compressor 2pcs Cooling method R:Forced air cooling, F:Direct cooling Defrost mode R:Automatic, F:Manual Refrigerant R:R600a, F:290 Insulation thickness(mm) R:50, F:100 Construction External material Cold rolled steel sheet Inner material Stainless steel Shelves R:3+1(stainless steel), F:6(ABS) External lock Yes Lighting LED Access port 2pcs. Ø 25 mm Casters 4 (2 casters with brakes) Data logging/Interval/Memory capacity USB/Record every 10 minutes/1000,000data		5
Capacity(L) 519, R:323, F:196  Internal size(W*D*H)mm R:750*610*740 , F:650*560*565  External size(W*D*H)mm 910*740*1972  Package size(W*D*H)mm 990*855*2140  NW/GW(Kgs) 186/215  Performance  Temperature range R:2~8, F:-10~-40  Ambient temperature 16-32°C  Cooling performance R:5, F:-40  Climate class N  Controller Microprocessor  Display Digital display  Refrigeration  Compressor 2pcs  Cooling method R: Forced air cooling, F:Direct cooling  Defrost mode R:Automatic, F:Manual  Refrigerant R:R600a, F:290  Insulation thickness(mm) R:50, F:100  Construction  External material Cold rolled steel sheet  Inner material Stainless steel  Shelves R:3+1(stainless steel), F:6(ABS)  External lock Yes  Lighting LED  Access port 2pcs. Ø 25 mm  Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Model	YCD-FL519
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External size(W*D*H)mm 910*740*1972  Package size(W*D*H)mm 990*855*2140  NW/GW(Kgs) 186/215  Performance  Temperature range R:2~8, F:-10~-40  Ambient temperature 16-32*C  Cooling performance R:5, F:-40  Climate class N  Controller Microprocessor  Display Digital display  Refrigeration  Compressor 2pcs  Cooling method R: Forced air cooling, F:Direct cooling  Defrost mode R:Automatic, F:Manual  Refrigerant R:R600a, F:290  Insulation thickness(mm) R:50, F:100  Construction  External material Cold rolled steel sheet  Inner material Stainless steel  Shelves R:3+1(stainless steel), F:6(ABS)  External lock Yes  Lighting LED  Access port 2pcs. Ø 25 mm  Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Capacity(L)	519, R:323, F:196
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NW/GW(Kgs)  Performance  Temperature range R:2~8, F:-10~-40  Ambient temperature 16-32°C  Cooling performance R:5, F:-40  Climate class N  Controller Microprocessor Display Digital display  Refrigeration  Compressor 2pcs  Cooling method R: Forced air cooling, F:Direct cooling  Defrost mode R:Automatic, F:Manual  Refrigerant R:R600a, F:290  Insulation thickness(mm) R:50, F:100  Construction  External material Cold rolled steel sheet  Inner material Stainless steel Shelves R:3+1(stainless steel), F:6(ABS)  External lock Yes  Lighting LED  Access port 2pcs. Ø 25 mm  Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	External size(W*D*H)mm	910*740*1972
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Temperature range  R:2 ~ 8, F:-10 ~ -40  Ambient temperature  16-32°C  Cooling performance  R:5, F:-40  Climate class  N  Controller  Microprocessor  Display  Digital display  Refrigeration  Compressor  2pcs  Cooling method  R: Forced air cooling, F:Direct cooling  Defrost mode  R:Automatic, F:Manual  Refrigerant  R:R600a, F:290  Insulation thickness(mm)  R:50, F:100  Construction  External material  Cold rolled steel sheet  Inner material  Stainless steel  Shelves  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	NW/GW(Kgs)	186/215
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Climate class  N Controller  Microprocessor  Display  Digital display  Refrigeration  Compressor  2pcs  Cooling method  R: Forced air cooling, F:Direct cooling  Defrost mode  R:Automatic, F:Manual  Refrigerant  R:R600a, F:290  Insulation thickness(mm)  R:50, F:100  Construction  External material  Cold rolled steel sheet  Inner material  Stainless steel  Shelves  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Ambient temperature	16-32℃
Display Digital display  Refrigeration  Compressor  Cooling method  R: Forced air cooling, F:Direct cooling  Defrost mode  R:Automatic, F:Manual  Refrigerant  R:R600a, F:290  Insulation thickness(mm)  Construction  External material  Cold rolled steel sheet  Inner material  Stainless steel  Shelves  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Cooling performance	R:5, F:-40
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Compressor 2pcs Cooling method R: Forced air cooling, F:Direct cooling Defrost mode R:Automatic, F:Manual Refrigerant R:R600a, F:290 Insulation thickness(mm) R:50, F:100  Construction External material Cold rolled steel sheet Inner material Stainless steel Shelves R:3+1(stainless steel), F:6(ABS) External lock Yes Lighting LED Access port 2pcs. Ø 25 mm Casters 4 (2 casters with brakes) Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Controller	Microprocessor
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Defrost mode R:Automatic, F:Manual Refrigerant R:R600a, F:290 Insulation thickness(mm) R:50, F:100  Construction External material Cold rolled steel sheet Inner material Stainless steel Shelves R:3+1(stainless steel), F:6(ABS)  External lock Yes Lighting LED Access port 2pcs. Ø 25 mm Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Compressor	2pcs
Refrigerant R:R600a, F:290 Insulation thickness(mm) R:50, F:100  Construction  External material Cold rolled steel sheet Inner material Stainless steel Shelves R:3+1(stainless steel), F:6(ABS)  External lock Yes  Lighting LED  Access port 2pcs. Ø 25 mm  Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Cooling method	R: Forced air cooling, F:Direct cooling
Insulation thickness(mm)  Construction  External material  Cold rolled steel sheet  Inner material  Stainless steel  Shelves  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Defrost mode	R:Automatic, F:Manual
External material  Cold rolled steel sheet  Inner material  Stainless steel  Shelves  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Refrigerant	R:R600a, F:290
External material  Cold rolled steel sheet  Inner material  Stainless steel  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Insulation thickness(mm)	R:50, F:100
Inner material  Stainless steel  R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Construction	
R:3+1(stainless steel), F:6(ABS)  External lock  Yes  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	External material	Cold rolled steel sheet
External lock  Lighting  LED  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Inner material	Stainless steel
Lighting  Access port  2pcs. Ø 25 mm  Casters  4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Shelves	R:3+1(stainless steel), F:6(ABS)
Access port 2pcs. Ø 25 mm  Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity USB/Record every 10 minutes/1000,000data	External lock	Yes
Casters 4 (2 casters with brakes)  Data logging/Interval/Memory capacity  USB/Record every 10 minutes/1000,000data	Lighting	LED
Data logging/Interval/Memory capacity USB/Record every 10 minutes/1000,000data	Access port	2pcs. Ø 25 mm
capacity USB/Record every 10 minutes/1000,000data	Casters	4 (2 casters with brakes)
Backup battery Yes	Data logging/Interval/Memory capacity	USB/Record every 10 minutes/1000,000data
	Backup battery	Yes

Door with heater	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Door ajar, Built-in USB datalogger failure, Communication failure
Accessories	
Standard	RS485,Remote alarm contact



# 2°C~8°C/-10°C~-40°C Medical Combined Refrigerator And Freezer YCD-FL450

- •High-precision Computerized Temperature Control System
- •High-efficiency Refrigerating System
- •Comprehensive Security System
- •Direct cooling and electronic temperature control
- •Tube-type condenser and built-in type evaporator

Meling 2°C~8°C/-10°C~-40°C refrigerator freezer combo YCD-FL450 works as scientific refrigerator freezer and medical refrigerator and freezer, which comes with brand new appearance. It is fridge freezer with upper refrigeration and lower freezing separately control. This fridge freezer combo adopts high-efficiency 2 compressors and environmentally friendly refrigeration, which can ensure fast refrigeration and separately control of upper refrigeration chamber and lower freezing chamber. The digital temperature display can indicate operating status clearly, and you can set the high temperature or low temperature alarm points regarding to your needs. We design the thermal insulation with thicker insulation layer and CFC-free polyurethane foam technology for better insulation effect.

#### **High-precision Computerized Temperature Control System**

The temperature control system of this combination refrigerator freezer can display the humidity and temerature independently. And you are able to check and view the operating status clearly on the display. This medical grade refrigerator freezer allows you to set the temperature freely with upper temperature in the range of 2°C~8°C and lower temperature in a range of -10°C~-40°C.

#### **High-efficiency Refrigerating System**

This combination refrigerator freezer is equipped with high-efficiency compressors for upper refrigeration chamber and lower freezing chamber. And the refrigerant is environmentally friendly, which can ensure energy-saving and high-efficiency. The CFC polyurethane foaming technology and thicker insulation layer cam improve the effect of thermal insulation.

#### **Comprehensive Security System**

It is also a secure vaccine storage refrigerator freezer for the in-built 8 audible and visual alarm system, including high ambient temperature alarm, high/low temperature alarm, sensor failure alarm, communication failure (USB) data download failure alarm, low battery alarm, door ajar alarm, power failure alarm, which ensure safer sample storage.

# **Features**

Combination refrigerator and freezer with upper 2°C ~ -8°C and lower-10°C~-40°C

Direct cooling and electronic temperature control for fast refrigeration and constant temperature

Separate control of upper refrigeration chamber and lower freezing chamber with separate compressors

Digital temperature display to control temperature precisely and monitor operating status clearly

Ensure safe sample storage with inter-room independent door lock and independent external padlock

Tube-type condenser and built-in type evaporator work well to keep the temperature in the cabinet

LED lighting in the cabinet of the combination refrigerator freezer provides great visibility The lower freezing chamber is equipped with drawers and the refrigeration chamber is equipped with steel wire shelves

The combination refrigerator freezer is equipped with casters at the bottom for conveniently movement and placement

Standard with Build-in USB datalogger for temperature data recording

# Scope of Application

Meling upright freezer and refrigerator combo Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, laboratories in colleges & universities, the frozen food industry and catering industry, etc.

## $2 \sim 8$ °C /-10 $\sim$ -40°C Combined Refrigerator & Freezer

Model	YCD-FL450
Cabinet type	Upright
Capacity(L)	450, R:225, F:225
Internal size(W*D*H)mm	R:650*570*627 , F:650*570*627
External size(W*D*H)mm	810*735*1960
Package size(W*D*H)mm	895*820*2135
NW/GW(Kgs)	146/173
Performance	
Temperature range	R:2 ~ 8, F:-10 ~ -40
Ambient temperature	16-32℃
Cooling performance	R:5, F:-40
Climate class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling method	R: Forced air cooling, F:Direct cooling
Defrost mode	R: Automatic, F: Manual
Refrigerant	R: R600a, F: 290
Insulation thickness(mm)	R: 80, F: 80
Construction	
External material	PCM
Inner material	Aluminum plate with spraying
Shelves	R:3(coated steel wired shelf), F:6(ABS)
Door lock with key	Yes
Lighting	LED
Access port	2
Casters	4 (2 casters with brake)
Data logging/Interval/Recording time	USB/Record every 10 minutes/2 years
Backup battery	Yes

Door with heater	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Door ajar, Built-in USB datalogger failure, Communication failure
Accessory	
Standard	RS485, Remote alarm contact



# 2°C~8°C/-10°C~-40°C Laboratory Combined Refrigerator And Freezer YCD-FL289

- •High-precision Temperature Control System
- •High-efficiency Refrigerating System
- •Comprehensive Security System
- •Electric heating and LOW-E anti-condensation effect
- •Standard with Build-in USB datalogger

Meling Scientific research grade 2°C~8°C/-10°C~-40°C combination refrigerator freezer YCD-FL289 is designed with separate control of refrigeration and freezing. It comes with two compressors and separate control of upper refrigeration chamber and lower freezer chamber. This fridge freezer combo adopts Freon-free refrigeration, which is environmentally friendly and energy-saving. And it comes with updated thermal insulation with CFC-free polyurethane foam technology and thicker insulation layer. The high-precision computerized temperature control helps you to set the upper temperature in a range of 2°C~8°C and lower temperature in a range of -10°C~-40°C. Meling 2°C~8°C/-10°C~-40/°C Medical Refrigerator & Freezer YCD-FL289 is specially designed for reagent and other medical and laboratory materials storage.

## **High-precision Temperature Control System**

The digital temperature and humidity are displayed independently, and operating status can be viewed and checked clearly. You are able to set the high temperature /low temperature alarm points on the medical grade refrigerator freezer freely based on your needs. And you can set the upper temperature in a range of 2°C~8°C and lower temperature in a range of -10°C~-40°C.

#### **High-efficiency Refrigerating System**

This commercial refrigerator freezer is equipped with CFC free refrigerant and high-efficiency compressor, ensuring rapid cooling, energy-saving and high efficiency. It has two compressor and separately controls the upper refrigeration chamber and lower freezing chamber. With no CFC polyurethane foaming technology and thicker insulation layer, it can ensure good insulation effect.

#### **Comprehensive Security System**

This medical refrigerator and freezer has 8 kinds of audible and visual alarm functions, including high\low temperature alarm, high ambient temperature alarm, sensor failure alarm, low battery alarm, communication failure (USB) data download failure alarm, door ajar alarm, and power failure alarm, etc, which ensure safer sample storage.

# **Features**

Combination refrigerator freezer with upper 2°C ~ -8°C and lower-10°C~40°C

Electronic temperature control for high-precision temperature and constant temperature Separate cooling type with upper fan direct cooling and lower direct cooling

With 2 compressors and separate control of upper refrigeration chamber and lower freezing chamber

Digital temperature display for precisely control temperature and clearly monitor operating status

Equipped with stainless steel inner material and three layers stainless steel clapboard Equipped with sheet metal refrigerated drawers and acrylic plates

Inter-room independent door lock and independent external padlock to ensure safe sample storage

Electric heating and LOW-E, double glazing, good anti-condensation effect

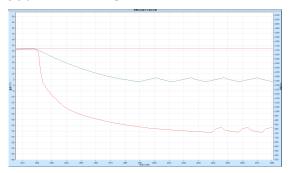
LED lighting in the cabinet of the combination refrigerator freezer for easy operation

Standard with Build-in USB datalogger for temperature data recording

Three-layer ABS drawer in the freezer compartment;

4 universal wheels+2 casters with brake at the front and back, easy to move and place

# 



# Scope of Application

Scientific research grade refrigerator freezer Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, laboratories in colleges & universities, the frozen food industry and catering industry, etc.

Model	YCD-FL289
Cabinet type	Upright
Capacity(L)	289, R:189, F:100
Internal size(W*D*H)mm	R: 600*510*710 , F: 500*460*505
External size(W*D*H)mm	700*640*1845
Package size(W*D*H)mm	830*756*2004
NW/GW(Kgs)	143/165
Performance	
Temperature range	R:2 ~ 8, F:-10 ~ -40
Ambient temperature	16-32℃
Cooling performance	R:5, F:-40
Climate class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling method	R: Forced air cooling, F:Direct cooling
Defrost mode	R:Automatic, F:Manual
Refrigerant	R:R600a, F:R290
Insulation thickness(mm)	B:50(R), 100(F)
Construction	
External material	Cold rolled steel
Inner material	Stainless steel
Shelves	R:3+1(Stainless steel),F:3(ABS)
External lock	Yes

Access port	2pcs. Ø 25 mm
Casters	4 (2 casters with brakes)
Data logging/Interval/Memory capacity	USB/Record every 10 minutes/1000,000data
Door with heater	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure , Door ajar, Built-in USB datalog failure, Communication failure
Accessories	
Standard	RS485, Remote alarm contact



# 2°C~8°C/-10°C~-26°C Medical Refrigerator And Freezer Combo YCD-EL450

- •High-precision Computerized Temperature Control System
- •High-efficiency Refrigerating System
- •Comprehensive Security System
- •Direct cooling and electronic temperature control
- •Tube-type condenser and built-in type evaporator

Meling 2°C~8°C/-10°C~-26°C refrigerator freezer combo YCD-EL450 works as scientific refrigerator freezer and medical refrigerator and freezer, which comes with brand new appearance. It is fridge freezer with upper refrigeration and lower freezing separately control. This fridge freezer combo adopts high-efficiency 2 compressors and environmentally friendly refrigeration, which can ensure fast refrigeration and separately control of upper refrigeration chamber and lower freezing chamber. The digital temperature display can indicate operating status clearly, and you can set the high temperature or low temperature alarm points regarding to your needs. We design the thermal insulation with thicker insulation layer and CFC-free polyurethane foam technology for better insulation effect.

#### **High-precision Computerized Temperature Control System**

The temperature control system of this combination refrigerator freezer can display the humidity and temerature independently. And you are able to check and view the operating status clearly on the display. This medical grade refrigerator freezer allows you to set the temperature freely with upper temperature in the range of 2°C~8°C and lower temperature in a range of -10°C~-26°C.

#### **High-efficiency Refrigerating System**

This combination refrigerator freezer is equipped with high-efficiency compressors for upper refrigeration chamber and lower freezing chamber. And the refrigerant is environmentally friendly, which can ensure energy-saving and high-efficiency. The CFC polyurethane foaming technology and thicker insulation layer cam improve the effect of thermal insulation.

#### **Comprehensive Security System**

It is also a secure vaccine storage refrigerator freezer for the in-built 8 audible and visual alarm system, including high ambient temperature alarm, high\low temperature alarm, sensor failure alarm, communication failure, (USB) data download failure alarm, low battery alarm, door ajar alarm, power off alarm, and data logging function not enabled alarm, which ensure safer sample storage.

# **Features**

Combination refrigerator freezer with upper 2°C ~ -8°C and lower-10°C~-26°C

Direct cooling and electronic temperature control for fast refrigeration and constant temperature

Separate control of upper refrigeration chamber and lower freezing chamber with separate compressors

Digital temperature display to control temperature precisely and monitor operating status clearly

Equipped with sheet metal refrigerated drawers and acrylic plates

The inner material with Aluminum plate with spraying and three layers coated steel wired shelf clapboard

Ensure safe sample storage with inter-room independent door lock and independent external padlock

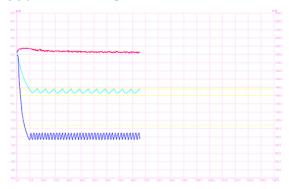
Tube-type condenser and built-in type evaporator work well to keep the temperature in the

LED lighting in the cabinet of the combination refrigerator freezer provides great visibility The lower freezing chamber is equipped with drawers and the refrigeration chamber is equipped with coated steel wire shelves

The combination refrigerator freezer is equipped with casters at the bottom for conveniently movement and placement

Standard with Build-in USB datalogger for temperature data recording

# **Mappings**



# Scope of Application

Suitable for freezing of ice bars and storage of various things needing refrigerated storage such as reagent, etc. Suitable for use in hospitals, clinics, health and disease prevention systems, laboratories in colleges & universities, the frozen food industry and catering industry, etc.

### 2~8°C/-10~-26°C Combined Refrigerator & Freezer

Model	YCD-EL450
Cabinet type	Upright
Capacity(L)	450, R:225, F:225
Internal size(W*D*H)mm	R:650*570*627, F:650*570*627
External size(W*D*H)mm	810*735*1960
Package size(W*D*H)mm	895*820*2135
NW/GW(Kgs)	144/156
Performance	
Temperature range	R:2~8 , F:-10~-26
Ambient temperature	16-32℃
Cooling performance	R:5, F:-26
Climate class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling method	R: Forced air cooling, F:Direct cooling
Defrost mode	R:Automatic, F:Manual
Refrigerant	R600a
Insulation thickness(mm)	L/R:80, B:80
Construction	
External material	PCM
Inner material	Sprayed aluminum plate
Shelves	R:3(coated steel wired shelf), F:6(ABS)

Door lock with key	Yes
Lighting	LED
Access port	2pcs. Ø 25 mm
Casters	4 (2 casters with brake)
Data logging/Interval/Memory capacity	USB/Record every 10 minutes / 1000,000data
Backup Battery	Yes
Door with Heater	Yes
Alarm	
Temperature	High/Low temperature, High ambient temperature
Electrical	Power failure, Low battery
System	Sensor failure, Door ajar, Built-in USB datalog failure, Communication failure
Accessories	
Standard	RS485, Remote alarm contact



# 2°C~8°C/-10°C~-26°C Combined Refrigerator And Freezer YCD-EL300

- •High-efficiency refrigerating system
- •High-precision computerized temperature control system
- •Comprehensive security system
- •Separate control of upper refrigeration and lower freezer
- •Direct cooling and electronic temperature control

Meling 2°C~8°C/-10°C~-26°C medical grade refrigerator freezer or vaccine storage refrigerator freezer YCD-EL300 comes with upper refrigeration and lower freezing separately control. This fridge freezer combo adopts 2 compressors and CFC-free refrigeration, ensuring high-efficiency and energy-saving. And it can ensure fast refrigeration and separately control of upper refrigeration chamber and lower freezing chamber. We design the thermal insulation with thicker insulation layer and CFC-free polyurethane foam technology for better insulation effect. The digital temperature display can indicate operating status clearly, and you can set the high temperature or low temperature alarm points regarding to your needs.

#### **High-efficiency Refrigerating System**

This combination refrigerator freezer is equipped with high-efficiency compressors for upper refrigeration chamber and lower freezing chamber. And the refrigerant is environmentally friendly, which can ensure energy-saving and high-efficiency. The CFC polyurethane foaming technology and thicker insulation layer cam improve the effect of thermal insulation.

#### **High-precision Computerized Temperature Control System**

The temperature control system of this combination refrigerator freezer can display the humidity and temerature independently. And you are able to check and view the operating status clearly on the display. This medical grade refrigerator freezer allows you to set the temperature freely with upper temperature in the range of 2°C~8°C and lower temperature in a range of -10°C~-26°C.

#### **Comprehensive Security System**

It is also a secure vaccine storage refrigerator freezer for the in-built 8 audible and visual alarm system, including high ambient temperature alarm, high\low temperature alarm, sensor failure alarm, communication failure (USB) data download failure alarm, low battery alarm, door ajar alarm, power off alarm, and data logging function not enabled alarm, which ensure safer sample storage.



# Mappings

# **Features**

Combination refrigerator freezer with upper 2°C ~ -8°C and lower-10~-26°C

Separate control of upper refrigeration chamber and lower freezing chamber with separate compressors

Direct cooling and electronic temperature control for fast refrigeration and constant temperature

Equipped with sheet metal refrigerated drawers and acrylic plates

Digital temperature display to control temperature precisely and monitor operating status clearly

Ensure safe sample storage with inter-room independent door lock and independent external padlock

The inner material with stainless steel and three layers stainless steel clapboard

Tube-type condenser and built-in type evaporator work well to keep the temperature in the cabinet

The lower freezing chamber is equipped with drawers and the refrigeration chamber is equipped with steel wire shelves

LED lighting in the cabinet of the combination refrigerator freezer provides great visibility. The combination refrigerator freezer is equipped with casters at the bottom for conveniently movement and placement.

Standard with Build-in USB datalogger for temperature data recording

 $2 \sim 8^{\circ}\text{C}$  /-10  $\sim$  -26°C Combined Refrigerator & Freezer

Model	YCD-EL300
Cabinet type	Upright
Capacity(L)	300,R:197,F:103
Internal size(W*D*H)mm	R:600*510*657,F:500*460*535
External size(W*D*H)mm	700*640*1876
Package size(W*D*H)mm	760*720*1935
NW/GW(Kgs)	95/106
Performance	
Temperature range	R:2~8, F:-10~-26
Ambient temperature	16-32
Cooling performance	R:5, F:-26
Climate class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	2pcs
Cooling method	R: Forced air cooling, F:Direct cooling
Defrost mode	R:Automatic, F:Manual
Refrigerant	R600a
Insulation thickness(mm)	B:50(R), 100(F)
Construction	
External material	PCM
Inner material	Sprayed aluminum plate
Shelves	R:3(coated steel wired shelf),F:3(ABS)
Door lock	Yes
Lighting	LED
Access port	2pcs. Ø 25 mm
Casters	4 (2 casters with brakes)
Alarm	
Temperature	High/Low temperature
System	Sensor failure, Door ajar

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