

# LABFREEZ®



## FD-SERIES LAB FREEZE DRYER

- Flexible Customize
- Function extendable
- Suit for medicine, bio-sample & food

# FD SERIES LAB SCALE FREEZE DRYER (LYOPHILIZER)



**Drying chamber**

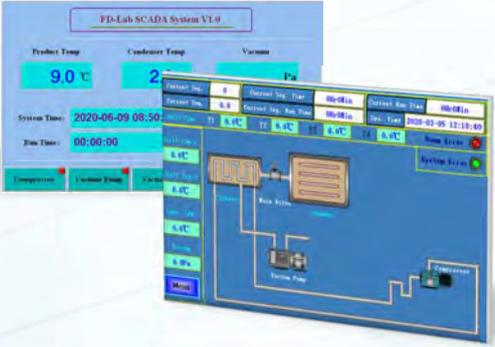
**Condenser**

**Accessories**



Vacuum freezing dryer is widely used in the medical, pharmaceutical, biological, chemical and food and other fields, FD series is suitable for laboratory use or low-volume production to meet the requirements of most laboratories conventional lyophilization.

## ❖ FEATURES

CATEGORY	DESCRIPTION	
Control	<ul style="list-style-type: none"> <li>• Microprocessor control &amp; New FD upgraded to 7" LCD touch display which can display drying curve, vacuum, condenser temp., run time, ambient temperature.</li> <li>• Controller built with data recorder and USB interface, data can be exporting to computer for analysis.</li> <li>• FD-LAB freeze dryer control system + SH-HPSC-I modular controller.</li> </ul>	
Condenser	<ul style="list-style-type: none"> <li>• Samples can be pre-freezing in condenser chamber, no need of deep freezer, smoothly chamber without coil pipe.</li> <li>• Material is SS304 stainless steel, SS316 is optional.</li> <li>• -60°C condenser is fit for water-based material.</li> <li>• -85°C &amp; -110°C condenser is available for capture low eutectic point material.</li> <li>• Independently temperature sensor for condenser.</li> <li>• New FD fitted with electric heating defrost .</li> </ul>	
Refrigeration	<ul style="list-style-type: none"> <li>• Used slight noise of DANFOSS(SECOP) compressor with CFC-FREE refrigerant (R404a, R134a) ensure long life time and energy saving.</li> <li>• For water-based samples, the -55°C condenser is the perfect choice with effective cost. For samples containing solvents or with low eutectic points, the -85°C dual cascade refrigeration condenser provides maximum performance(optional).</li> </ul>	
	<ul style="list-style-type: none"> <li>• All materials in contact with the product are made of inert materials to meet GLP requirements.</li> <li>• All materials of condenser chamber, table-top, racks, trays and drain value are made of SS304 stainless steel to ensure corrosion-resistant and easy to clean, shelves height adjustable.</li> </ul>	

Module design • Flexible customize to meets wide

requirements.

- -85°C & -110°C condenser support
- Various drying chamber available
- Shelf heating & program setting
- Vacuum regular valve
- Condenser heating defrost function
- Wide mouth jar flask support
- Nitrogen valve



Spare part

- Famous brand spare parts accessories ensure long running time
- Swiss DANFOSS Secop brand compressor
- DANFOSS pressure control
- Refco pressure gauge
- PT-100 temperature sensor
- Germany Leybold & Jpan Ulvac vacuum pump is optional



Certificate

ISO 9001  
ISO 14001  
CE certificated

## ❖ DRIED SAMPLE



## ❖ MODEL DESCRIPTION

MODEL	PICTURE	DESCRIPTION	APPLICATION
R		Normal type	Conventional materials in bulk (liquid, paste, solid)
TP		With stoppering handle	All function of R and also vials comes with cap, to stoppering caps into the vials
MR		With manifold flasks dry device	All function of R and also drying the material that is frozen on the inner wall of the bottle
MTP		With stoppering + manifold	All function of TP & MR
MT		24 port Tree type ampoule manifold	Preservation of microbial strains such as bacteria and fungi by ampoule
FT		12/24 port Tree type flask manifold	Comes with manifold rack with flasks

❖ FD-10 SERIES BENCH-TOP MINI FREEZE DRYER



FD-10 SERIES MAIN SPECIFICATIONS

Model	FD-10-R FD-10-R-80	FD-10-MR FD-10-MR-80	FD-10-TP FD-10-TP-80	FD-10-MTP FD-10-MTP-80	FD-10-FT FD-10-FT-80	FD-10-MT FD-10-MT-80
Type	Normal	Manifold	Top-press	Manifold-press	T-type flask	T-type Ampoule
Image						
Dry chamber size (mm)	Φ260×430	Φ260×465	Φ260×490	Φ260×540	430×480m (H*L)	430×480m (H*L)
Total shelf area (m <sup>2</sup> )	0.12	0.12	0.08	0.08	/	/
Shelf size (mm)	Φ200	Φ200	Φ180	Φ180	/	/
Shelf distance (mm)	70	70	70	70	/	/
Shelf number	4 pcs	4 pcs	3 pcs	3 pcs	/	/
Trays number	4 pcs	4 pcs	3 pcs	3 pcs	/	/
Vials load capacity (pcs)	Φ12m	920	560	560	8 ports (4, 6, 12 ports is optional)	24 ports for Ampoule tube
	Φ16m	480	285	285		

	Φ22m m	260	260	165	165		
Sample load capacity		1.2L	1.2L	0.8L	0.8L	/	/
Flask		/	8 pcs	/	8 pcs	8 pcs	/
Dry rack		Included	Included	Included	Included	/	/
Cold trap rack		Included	Included	Included	Included	/	/
Shelf heating program		Optional	Optional	Optional	Optional	Optional	Optional
Condenser Temp.	-60 °C -85 °C (-110°C Optional)						
Cold trap size.	Φ215 * 140 mm (Depth * Height)						
Cold trap capacity	5 liters						
Ice remove capacity	3~4kg/24hours						
Cold type	Air-cooled						
Defrost type	Electric heating defrost						
Ultimate Vacuum	1 Pa (no load)						
Vacuum pump	Included						
Pump rate	2L/S						
Install Power	970W (-55°C) 1300W (-85°C)						
Voltage	220v/50Hz (110v/60Hz is optional)						
Dimensions of host (L*W*H)	615×450×370 mm (-55°C) 850×680×405 mm (-85°C)						
Dimensions of vacuum pump	480×140×240 mm (2XZ-2)						
Total Weight	80 kg 100 kg	90 kg 110 kg	85 kg 105 kg	100 kg 120 kg	80 kg 100 kg	65 kg 85 kg	



## ❖ FD-12 FLOOR TYPE FREEZE DRYER

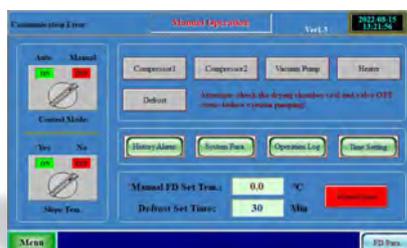
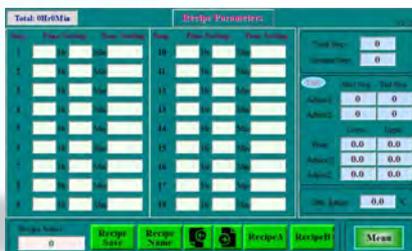
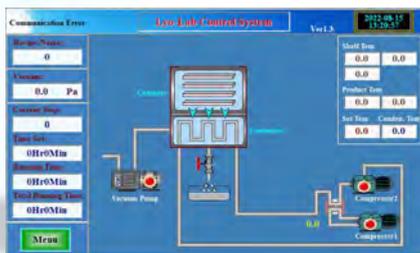
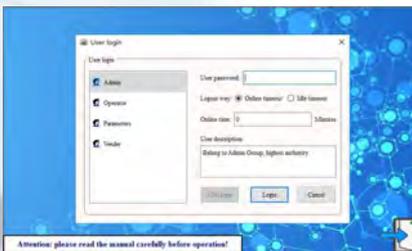
Model	FD-12-R FD-12-R-80	FD-12-MR FD-12-MR-80	FD-12-TP FD-12-TP-80	FD-12-MTP FD-12-MTP-80	FD-12-FT FD-12-FT-80	FD-12-MT FD-12-MT-80
Type	Normal	Manifold	Top-press	Manifold-press	T-type flask	T-type Ampoule
Image						
Dry chamber size (mm)	Φ260×430	Φ260×465	Φ260×490	Φ260×540	430×480 (H*L)	430×480 (H*L)
Total shelf area (m <sup>2</sup> )	0.12	0.12	0.08	0.08	/	/
Shelf size (mm)	Φ200	Φ200	Φ180	Φ180	/	/
Shelf distance(mm)	70	70	70	70	/	/
Shelf number (pcs)	4	4	3	3	/	/
Trays number (pcs)	4	4	3	3	/	/
Vials load quantity (pcs)	Φ12m	920	920	56	8 ports (4, 6, 12 ports is optional)	24 ports for Ampoule tube
	Φ16mm	480	480	285		
	Φ22m	260	260	165		
Sample load capacity	1.2L	1.2L	0.8L	0.8L	/	/
Flask	/	8 pcs	/	8 pcs	8 pcs	/
Dry rack	Included	Included	Included	Included	/	/
Cold trap rack	Included	Included	Included	Included	/	/
Shelf heating program	Optional	Optional	Optional	Optional	Optional	Optional
Condenser temp.	-55 °C -85 °C -110°C (Optional)					
Cold trap size	Φ215 * 140 mm (Depth * Height)					
Cold trap capacity	5 liters					
Ice remove capacity	4 Kg/24h					
Cold type	Air-cooled					
Defrost type	Electric heating defrost					
Ultimate Vacuum	1 Pa					
Vacuum pump	Included					
Pump rate	2L/S					
Install Power	970 W 1300 W					
Voltage	220v/50Hz or 110v/60Hz (optional)					
Dimensions of host (L*W*H)	580×500×720 mm (-55°C) 770×550×720 mm (-85°C)					
Dimensions of vacuum pump	480×140×240 mm (2XZ-2)					
Total Weight	112 kg	125 kg	120 kg	130 kg	100 kg	90 kg

## ❖ FD-18 FLOOR TYPE FREEZE DRYER

Model	FD-18-R FD-18-R-80	FD-18-MR FD-18-MR-80	FD-18-TP FD-18-TP-80	FD-18-MTP FD-18-MTP-80	FD-18-FT FD-18-FT-80	FD-18-MT FD-18-MT-80	
Type	Normal	Manifold	Top-press	Manifold-press	T-type flask	T-type Ampoule	
Image							
Dry chamber size (mm)	Φ300×445	Φ300×465	Φ300×540	Φ300×570	610×600 (H*L)	610×600 (H*L)	
Total shelf area (m <sup>2</sup> )	0.18 or 0.27	0.18 or 0.27	0.09	0.09	/	/	
Shelf size (mm)	Φ240	Φ240	Φ200	Φ200	/	/	
Shelf distance (mm)	70 or 50	70 or 50	70	70	/	/	
Shelf number (pcs)	4 or 6	4 or 6	3	3	/	/	
Tray number (pcs)	4 or 6	4 or 6	3	3	/	/	
Vials load	Φ12	1320 or 1980	1320 or 1980	990	990	8 ports (4, 6, 12 ports is optional)	
capacity (pcs)	Φ16	740 or 1110	740 or 1110	555	555		
(mm)	Φ22	360 or 540	360 or 540	270	270		
Sample load capacity		1.8L or 2.7L	1.8L or 2.7L	0.9L	0.9L	/	/
Flask	/	8 pcs	/	8 pcs	8 pcs	/	
Dry rack	Included	Included	Included	Included	/	/	
Cold trap rack	Included	Included	Included	Included	/	/	
Condenser Temp.	-60°C -85°C & -110°C (Optional)						
Cold trap size	Φ270 * 400 mm (D * H)						
Cold trap capacity	22 liters						
Ice capture capability	6 Kg/24h						
Cold type	Air-cooled						
Defrost type	Electric heating defrost						
Ultimate Vacuum	1 Pa						
Vacuum pump	Included						
Pump rate	4L/S						
Power	1400 W 1850 W						
Voltage	220v/50Hz or 110v/60Hz (optional)						
Dimensions of host	540×610×970 (mm) (L*W*H)						
Dimensions of pump	520×140×250 (mm) (L*W*H)						
Total Weight	150 kg	165kg	165kg	175kg	148kg	125 kg	

## ❖ SHELF HEATING & PROGRAM CONTROLLING (FD-12S, FD-18S SERIES)

- Electric heating element(36V safety voltage) for each shelf, heating rate controllable;
- Flexible manual + automatic control mode, manual groping process, automatic batch production.
- The professionally designed FD-EMB control system can store hundreds of process recipes, each containing 50 temperature control sections to improve process optimization.
- Temperature sensor ensure to monitor temperature of each shelf
- 7" LCD touch display, easy to operate on machine
- Real-time alarm display and historical alarm query function to facilitate fault diagnosis and equipment maintenance.
- Users level and password can set, decentralized operation and management.
- Sensor calibration to ensure long-term accuracy of the measured value



## ❖ FD-12S FLOOR TYPE SHELF HEATING PROGRAM CONTROL FREEZE DRYER

Model	FD-12S-R FD-12S-R-80	FD-12S-MR FD-12S-MR-80	FD-12S-TP FD-12S-TP-80	FD-12S-MTP FD-12S-MTP-80
Type	Normal	Manifold	Top-press	Manifold- press
Image				
Dry chamber size (mm)	Φ260×470	Φ260×470	Φ260×470	Φ260×490
Vials stoppering device	/	/	Included	Included
Manifold flask device	/	8 pcs	/	8 pcs
Total shelf area (m <sup>2</sup> )	0.12	0.12	0.08	0.08
Shelf size (mm)	Φ200	Φ200	Φ180	Φ180
Shelf distance(mm)	70	70	70	70
Shelf temperature (°C)	-40 ~ +60	-40 ~ +60	-40 ~ +60	-40 ~ +60
Shelf heating program	Included	Included	Included	Included
Trays number (pcs)	4	4	3	3
Vials load quantity (pcs)	Φ12mm	920	920	560
	Φ16mm	480	480	285
	Φ22mm	260	260	165
Sample load capacity	1.2L	1.2L	0.8L	0.8L
Dry rack	Included	Included	Included	Included
Cold trap rack	Included	Included	Included	Included
Condenser temp.	-60 °C -85 °C -110°C (Optional)			
Cold trap size	Φ215 * 140 mm (Depth * Height)			
Cold trap capacity	5 liters			
Ice remove capacity	4 Kg/24h			
Cold type	Air-cooled			
Trap defrost	Electric heating defrost			
Ultimate Vacuum	1 Pa			
Vacuum pump	Included			
Pump rate	2L/S			
Install Power	970 W 1400 W			
Voltage	220v/50Hz or 110v/60Hz (optional)			
Dimensions of host (L*W*H)	580×500×720 mm (-55°C)			
	770×550×720 mm (-85°C)			
Dimensions of vacuum pump	480×140×240 mm (2XZ-2)			
Total Weight	122 kg	135 kg	130 kg	140 kg

## ❖ FD-18S FLOOR TYPE SHELF HEATING PROGRAM CONTROL FREEZE DRYER

Model	FD-18S-R FD-18S-R-80	FD-18S-MR FD-18S-MR-80	FD-18S-TP FD-18S-TP-80	FD-18S-MTP FD-18S-MTP-80
Type	Normal	Manifold	Top-press	Manifold- press
Image				
Dry chamber size (mm)	Φ300×485	Φ300×485	Φ300×485	Φ300×485
Vials stoppering device	/	/	Included	Included
Total shelf area (m <sup>2</sup> )	0.18 or 0.27	0.18 or 0.27	0.09	0.09
Shelf Temperature (° C)	-40 ~ +60	-40 ~ +60	-40 ~ +60	-40 ~ +60
Shelf distance (mm)	70 or 50	70 or 50	70	70
Tray quantity (pcs)	4 or 6	4 or 6	3	3
Tray size (mm)	Φ240	Φ240	Φ200	Φ200
Tray number (pcs)	4 or 6	4 or 6	3	3
Vials load capacity (pcs)				
Φ12 (mm)	1320 or 1980	1320 or 1980	615	615
Φ16 (mm)	740 or 1110	740 or 1110	345	345
Φ22 (mm)	360 or 540	360 or 540	183	183
Sample load capacity	1.8L or 2.7L	1.8L or 2.7L	0.9L	0.9L
Flask	/	8 pcs	/	8 pcs
Dry rack	Included	Included	Included	Included
Cold trap rack	Included	Included	Included	Included
Condenser Temp.			-60°C -85°C -110°C (Optional)	
Cold trap size			Φ270 * 400 mm (D * H)	
Cold trap capacity			22 liters	
Ice capture capability			6 Kg/24h	
Cold type			Air-cooled	
Condenser defrost			Electric heating defrost	
Ultimate Vacuum			1 Pa	
Vacuum pump			Included	
Pump rate			4L/S	
Power			1400 W 1850 W	
Voltage			220v/50Hz or 110v/60Hz (optional)	
Dimensions of host			630×580×975 (mm) (L*W*H) (-60° C) 810×580×955 (mm) (L*W*H) (-85° C)	
Dimensions of pump			520×140×250 (mm) (L*W*H)	
Total Weight	150 kg	165kg	165kg	175kg

## ❖ STANDARD CONFIGURATION

Model	R	TP	MR	MTP	FT	MT
Image						
Freeze Dryer	●	●	●	●	●	●
Transparent dry chamber	●	●	●	●	-	-
Vacuum pump	●	●	●	●	●	●
Stoppering device	-	●	-	●	-	-
Manifold Ports	-	-	8 ports	8 ports	12 or 24 ports	24 ports
Flasks	-	-	8 pcs	8 pcs	12 or 24 pcs	-
Freezing rack	●	●	●	●	-	-
Drying rack	●	●	●	●	●	●
Tray	4 pcs	3 pcs	4 pcs	3 pcs	-	-

## ❖ OPTIONAL ITEMS

Item No.	Item Name	Item No.	Item Name
FD1001	-110°C Condenser (for FD-12 & FD-18 series)	FD1009150	150ml wide mouth jar flask
FD1002	Vacuum regulating solenoid valve	FD1009300	300ml wide mouth jar flask
FD1003	Capacitance type vacuum gauge	FD1009600	600ml wide mouth jar flask
FD1004	Oil mist filter for vacuum pump (outlet)	FD10091200	1200ml wide mouth jar flask
FD1005	Dust filter for vacuum pump (inlet)	FD1010	Built eutectic point test device
FD1006	Change to 6pcs shelves (FD-18-R & FD-18-MR)	FD1011	SS316 condenser & shelves
FD100701	Changing to advance vacuum pump (ULVAC or Leybold) for FD-10, FD-12	FD1012	Add pressure gauge on the machine
FD100702	Changing to advance vacuum pump (ULVAC or Leybold) for FD-18	FD1013	Air/inert dual-use valve
FD1008	Anti-back oil valve	FD1014	Rotary freezing device
FD1009	Change to wide-mouth flasks(jar)		

❖ VACUUM PUMP FOR FD SERIES FREEZE DRYER



❖ SPECIFICATIONS OF STANDARD VACUUM PUMP

Model		2XZ-2 (For FD-10, FD-12 SERIES)	2XZ-4 (For FD-18 SERIES)
Pump rate (L/S) m3/h		2	4
Ultimate pressure (Pa)	Partial pressure	$\leq 6 \times 10^{-2}$	$\leq 6 \times 10^{-2}$
	Full pressure	$\leq 1.33$	$\leq 1.33$
Rotary speed(r/min)		1400	1400
Working voltage(V)		110/220/380	110/220/380
Motor power(Kw)		0.37	0.55
Inlet port diameter (OD) (mm)		$\Phi 30$	$\Phi 30$
		KF-25	KF-25
Noise(dBA)		62	66
Oil capacity (L)		1	1
Dimensions(mm)		480×140×240	520×140×250
GW/NW(Kg)		22/20	24/22

Note: Leybold, Edwards, Ulvac brand vacuum pump can be optional.

❖ PACKING LIST

No.	Item name	FD-10-R	FD-10-MR	FD-10-TP	FD-10-MTP	FD-10-MT	FD-10-FT
		FD-12-R	FD-12-MR	FD-12-TP	FD-12-MTP	FD-12-MT	FD-12-FT
		FD-18-R	FD-18-MR	FD-18-TP	FD-18-MTP	FD-18-MT	FD-18-FT
1	Freeze dryer host	1	1	1	1	1	1
2	Vacuum pump (2XZ Series)	1	1	1	1	1	1
3	Power line	1	1	1	1	1	1
4	Sample material rack	1	1	1	1	/	/
5	Dry chamber (Acrylic glass)	1	1	1	1	/	/
6	Tree type flask/vials rack	/	/	/	/	1	1
7	Manifold port valve	/	8 ports	/	8 ports	24 port	8 ports

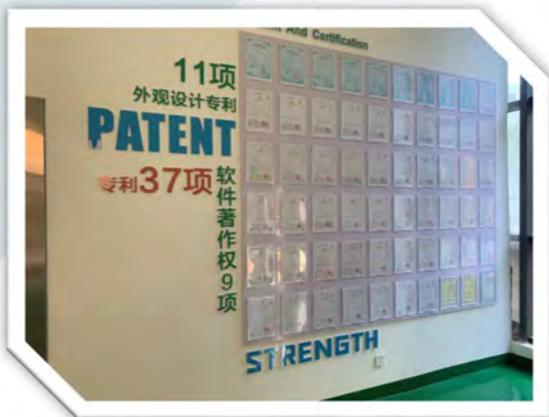
8	Flasks	/	8 pcs	/	8 pcs	/	8 pcs
9	Stoppering device	/	/	1	1	/	/
10	10A,15A fuse	Each 2					
11	Clamps	2	2	2	2	2	2
12	Trays	4	4	3	3	/	/
13	Pre-cooling rack	1	1	1	1	/	/
		1	1	1	1		
		-	-	-	-		
14	Vacuum grease	1	1	1	1	1	1
15	Condenser Insulation cover	1	1	1	1	1	1
16	Sealing ring	1	1	1	1	1	1
17	Vacuum connection pipe	1	1	1	1	1	1
18	User manual	1	1	1	1	1	1
19	Certificate & Warranty card	1	1	1	1	1	1

Note: Same configuration for -80° C and -110° C

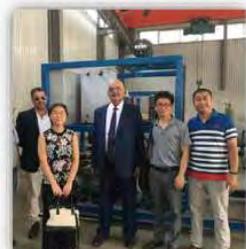
LAB FREEZE DRYER  
www.labfreez.com



# FACTORY VIEW



# CUSTOMER VISITING



CERTIFICATE



Zhongjian Certification Co., Ltd.

**CERTIFICATE OF CONFORMITY OF ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION**

No:0070020E51269R05

This is to certify that the environmental system of **LABFREEZ INSTRUMENTS (HUNAN) CO., LTD.**

REGISTER ADDRESS: ROOM 1006, BUILDING 5, JINNAS STREET, ZHONGJIAN YUELI STREET, YUELI DISTRICT, CHANGSHA CITY, HUNAN PROVINCE (REGISTRATION OFFICE)  
OFFICE ADDRESS: ROOM 1006, BUILDING 5, JINNAS STREET, ZHONGJIAN YUELI STREET, YUELI DISTRICT, CHANGSHA CITY, HUNAN PROVINCE

Org

is in conformity with **GB/T 24001-2016/ISO14001:**

This system is valid for the **THE RELATIVE MANAGEMENT ACTIVITIES OF SALE OF GEL LABORATORY INSTRUMENTS, LIFE SCIENCE INSTRUMENT REFRIGERATION EQUIPMENT AND MACHINERY AND**

(This certificate only covers the sites listed. If the covered scope includes an assessment of administrative personnel and services within premises or company controlled)  
Date of issue: 2025-07-01  
Term of validity of this certificate from 2025-07-01 to 2027-07-01  
This certificate remains valid only if the certified organization accepts a




Representative of The Company

The validity of this certificate could be confirmed via official website (http://www.zhongjian.com.cn) or official website (http://www.zhongjian.com.cn). For further information, please contact the certified organization: room 1006, building 5, jinna street, changsha city, hunan province, china.



**LABFREEZ INSTRUMENTS (HUNAN) CO., LTD.**

REGISTER ADDRESS: ROOM 1006, BUILDING 5, JINNAS STREET, ZHONGJIAN YUELI STREET, YUELI DISTRICT, CHANGSHA CITY, HUNAN PROVINCE (REGISTRATION OFFICE)  
OFFICE ADDRESS: ROOM 1006, BUILDING 5, JINNAS STREET, ZHONGJIAN YUELI STREET, YUELI DISTRICT, CHANGSHA CITY, HUNAN PROVINCE

Has been assessed by Zhongjian Certification Co., Ltd in respect of their Quality Management Systems and to comply with:

**ISO9001:2015**

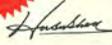
Approval is hereby granted for registration providing the rules and conditions relating to certification are observed at all times

**CERTIFICATION SCOPE:**  
SALE OF GENERAL INSTRUMENT AND METER (LABORATORY INSTRUMENTS, LIFE SCIENCE INSTRUMENTS, ANALYTICAL INSTRUMENTS), REFRIGERATION EQUIPMENT AND MACHINERY AND ELECTRONIC PRODUCTS

with the permission of Zhongjian Certification Co., Ltd

Date of issue: 2025-11-21  
Certificate Number: U0022Q50298R05  
Organization Code: 91430104MA4LYUW20M

This certificate remains valid only if the certified organization accepts and passes regular re-assessment as

Authorized Signatory for Zhongjian Certification Co., Ltd

The validity of this certificate could be confirmed via official website (http://www.zhongjian.com.cn) or official website (http://www.zhongjian.com.cn). For further information, please contact the certified organization: room 1006, building 5, jinna street, changsha city, hunan province, china.



**MACHINERY DIRECTIVE, ELECTROMAGNETIC COMPATIBILITY DIRECTIVE ATTESTATION OF CONFORMITY**

Technical file of the company mentioned below has been inspected and audit has been completed successfully.  
2006/42/EC Machinery Directive has been and 2014/30/EU Electromagnetic Compatibility Directive has been taken as references for these processes.

Company Name: **Labfreez Instruments (Hunan) Co., Ltd**

Company Address: 1805-1806, Building S6, AUX Yongshu Square, Xiaoxiang South Road, Yuyao District, Changsha, Hunan 410036 China

Related Directives and Annex: **2006/42/EC Machinery Directive / Annex VIII 2014/30/EU Electromagnetic Compatibility Directive / Annex II**

Related Standards: **EN ISO 12100:2010; EN 60204-1:2018; EN IEC 61000-3-2:2019 / A1:2021; EN 61000-3-3:2013 / A2:2021; EN IEC 61000-6-1:2019; EN IEC 61000-6-3:2021; EN 61000-4-2:2009**

Product Name: **Freeze Dryer**

Report No and Date: **CE2292A0526901**

Product Brand/Model/Type: **FD-10F-RE, FD-30F-RE, FD-50F-RE, FD-100F-RE, FD-10F-R, FD-20F-R, FD-30F-R, FD-50F-R, FD-100F-R, FD-200F-R, FD-300F-R, FD-500F-R, FD-10F-TP, FD-20F-TP, FD-30F-TP, FD-50F-TP, FD-100F-TP, FD-200F-TP, FD-300F-TP, FD-500F-TP, FD-10 Series, FD-12 Series, FD-18 Series, FD-IP Series, FD-FP Series, FD-CE Series, FD-FR Series, FD-PE Series, LAB-1 Series**

Certificate Number: **M.2023.206.C85884**

Initial Assessment Date: 29.05.2023

Registration Date: 30.05.2023

Renewal Date/No: -

Expiry Date: **29.05.2028**



UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co.



The validity of the certificate can be checked through www.udem.com.tr. Upon completion of EC declaration of conformity it is used solely at the manufacturer's responsibility. The certificate is the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. Its return must be initiated upon request. The above report must keep a copy of this certificate for 12 years from the registration of certificate. The certificate only covers the products stated above and UDEM must be notified in case of any changes on the products!

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**LABFREEZ**  
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