

\* All specifications, dimensions and construction shown in this catalogue are subject to change without prior notice.

Healthy World Healthy Future



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## Medical Centrifuge



# METTE



Efficient and User-friendly



## About US

### FOR A HEALTHY WORLD FOR A HEALTHY FUTURE

Established in 2011, Methier Biomedical is a high-tech enterprise which specialized in designing, manufacturing and marketing of laboratory & bio-medical storage equipment, cold room, cold-chain logistics, LN2 tank and laboratory instrument, ultrasonic processor, pure water machine and centrifuge. We pursue the concept of For a healthy world, For a healthy future with the strong support from R&D team. We produce environmentally friendly products for high-end brand technical areas like research institutes, hospitals, laboratories, commercial retails with the dedication to build a green bridge for health for the humanity and the world.

METHER products are with advanced technology and pursues the ultimate configuration, safety and comprehensive performance, all of which are at the first-class level in the industry. METHER maximizes safety of bio-samples and provide excellent product experience. METHER dual system products provide double insurance to avoid unexpected. Meanwhile, METHER is committed to building an information-based biomedical industry to realize sensitive sample's information visualization and traceability.

PROMED adheres to the concept of creating maximum value for customers. Its core is to supply users with durable, easy-to-use and easy-to-maintain products that offer value-added product experience to customers. In additional, PROMED focuses on energy efficiency and service life of products. It has obtained multiple international certifications. With more than 11 years experience of manufacturing and marketing, PROMED is favored by users all over the world.



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## METHER Laboratory Centrifuge

METHER's self-developed UI interface system offers excellent human-machine interaction. The 3D interface is simple and clear, displaying all parameters at a glance. The overall appearance of the machine is aesthetically pleasing and visually appealing.



Highly sensitive touch screen (Ambient Temp.)

### One-touch convenience program key allows for pre-setting programs.

- High-definition backlit display screen for easy observation of experimental parameters.
- Equipped with voice prompts for centrifugation completion, forced door opening, and imbalance alarm.
- Highly sensitive buttons for operation with gloves and compatibility with various cleaning agents for easy cleaning.
- Display of program, operating status, and alarm information in both Chinese and English.

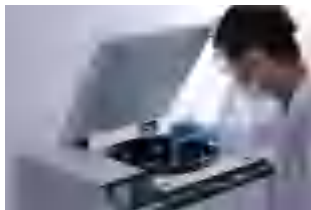


Highly sensitive touch screen (Low Temp.)



### PRODUCT FEATURE

#### The size is suitable for your working space



From personal workstations to advanced research facilities, there is always a model that can meet the spatial requirements of your laboratory.

#### Models that meet a variety of applications



We offer a wide range of centrifuge models and configurations to meet various customer applications.

#### Diverse range of rotor options to accommodate various specifications



Robust and lightweight horizontal rotors and angle rotors are designed to accommodate a wide range of container sizes, various types of vessels, and special applications. They are built to be durable and reliable, ensuring optimal performance for your centrifugation needs.

#### Consistent and stable operation



You can rely on these durable and stable product configurations to maintain reliable consistency during long-term use.

#### Convenient Biosafety Rotors



The unique one-touch lid ensures safety and durability. It provides a quiet and safe laboratory environment, with corrosion resistance and low noise levels.

#### Energy saving and environmental technology



Centrifuge maintains sample temperature stability within a 2°C range using advanced microcomputer simulation. With energy-efficient compressor cooling technology, the compressor shuts off when the lid is opened, reducing energy consumption by over 40%.



## LOW SPEED CENTRIFUGE

### Specialized centrifuge



Cell Smear centrifuge



Milk Fat Centrifuge



Lab PRP Centrifuge



Cell washing centrifuge

- ▶ **The cell smear centrifuge** is a versatile tool used in labs for immunohematology, serological experiments, and Coomassie result analysis.
- ▶ **Milk fat centrifuges** are essential for precise testing of milk and milk products, specifically for determining relative density and fat content using the Babcock method.
- ▶ **The PRP centrifuge** is a specialized device for aesthetic applications. It is commonly used for PRP serum separation and PPP fat graft purification. This centrifuge can directly process syringes of various sizes (50ml, 20ml, and 10ml). Featuring a horizontal rotor, it enables the aseptic separation and purification of fat, ultimately enhancing the survival rate of fat grafting. The rotor can be autoclaved multiple times, reducing the risk of infection during surgery. With improved efficiency and enhanced safety, this centrifuge ensures a reliable transplantation procedure.
- ▶ **The cell washing centrifuge** is a crucial equipment utilized in immunohaematology labs, test labs, and research facilities. It plays a vital role in conducting serological experiments, antigen and antibody identification, and result interpretation related to red blood cells. Widely employed by blood banks, medical schools, research institutions, and various hospital departments, this centrifuge simplifies and enhances laboratory operations.



### FEATURES

- ▶ Microcomputer control, large-screen color LCD display, full touchscreen operation interface.
- ▶ Working program, centrifugal force, speed, centrifugation time, lifting speed, and simultaneous display with rotor model on LCD.
- ▶ Brushless AC variable frequency motor drive, using dedicated drive module to ensure circuit reliability.
- ▶ Parameters can be changed freely during operation without the need to stop the machine.
- ▶ Fastest lifting and lowering speed  $\leq 25s$ .



### UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples.
- ▶ Timing at set pm/Timing at startup Spot spin centrifugation.
- ▶ Programmable Differential RCF program 5 reserved programs can be set by users.



### USER-FRIENDLY DESIGN

- ▶ 20 optional programmable centrifugation programs improve work efficiency.
- ▶ SOFT BRAKE design prevents sample resuspension and protect your sensitive samples; Multi-layer damping shock absorption design ensures good centrifugal effect.
- ▶ Countdown function: Count down in seconds and display the remaining working time in real-time.
- ▶ Customizable 485 communication interface for remote control capabilities.  
(Optional)



### SAFETY

- ▶ Safe lids system works as soon as the centrifuge activated, Double-layer steel construction create a sturdy and safe chamber.
- ▶ Double-layer steel structure to prevent corrosion from corrosive substances.
- ▶ Automatic unbalance detection auto-shutdown when unbalance alarms.
- ▶ Sinking exhaust channel design prevents aerosol pollution during centrifugation.



## Technical Parameters

Model	DL 1018 cell smear	DL1038 Milk Fat Centrifuge	DL-1040 PRP	DL-1030Cell Washing
Max speed	2000rpm	6000rpm	4500rpm	5000rpm
Max RCF	720xg	7164xg	3894xg	3075xg
Max capacity	12pcs: 2pcs×6	50ml×4	100ml×8	/
Speed accuracy	±10rpm			
Timier	1s~99h59min59s/continuous mode, short spin			Electronic timing (programmed)
Temp rise of the test solution	run 20min Test solution temperature rise<10			
Noise	≤60dB			≤55dB
Power supply	AC220V 50Hz 10A			
Weight	47Kg	60Kg		47Kg
Power	400W			
Dimension(D*W*H)	540×425×400mm	580×465×400mm		540×425×400mm

### DL-1018,DL-1038,DL-1040 Rotor configuration

Rotor \ Model	DL-1018 cellsmear	DL-1038Milk Fat Centrifuge	DL-1040 PRP
NO.1: Special rotor body for cellsmear	12pcs 2000rpm 720xg 2pcs×6	/	/
NO.2:GableTube Rotor	/	30ml×6 6000rpm 7164xg	/
NO.3:Pasteur cream bottle rotor	/	50ml×4 4000rpm 3077xg	/
NO.4:horizontal rotor	/	/	100ml×2 4500rpm 3645xg ERP tube for beauty and orthopedics
NO.5:horizontal rotor	/	/	100ml×4 4500rpm 3894xg ERP tube for beauty and orthopedics adapter1: 50ml×4 Suitablefor 50ml syringes adapter2: 20ml×4 Suitable for 20ml syringes adapter3: 10ml×16 Suitable for 10ml syringes
NO.6: horizontal rotor	/	/	100ml×8 4500rpm 3894xg ERP tube for beautyand orthopedics adapter: 50ml×8 syringe Suitable 50ml syringe Adapter: 20ml×8 Suitablefor 20ml syringes



## Rotor configuration

Model	Rotor for Lymphocyte Cleaning/HLA			Rotor for washing red blood rotors
Max RCF	2000xg			1000xg
Rotor Capacity	(0.25~1ml) ×12			7ml×12
Centrifuge rotor speed and centrifugal force parameters				
	Rotating speed		Rotor capacity	RCF
	1	4000rpm	2ml×12	1800xg
White blood cell washing and swinging rotor	2	4000rpm	1.5ml×12	1800xg
	3	4000rpm	0.5ml×12	1800xg
Red blood cell washing and swinging rotor	1	4000rpm	7ml×12	1800xg
Centrifuge rotor RCF and time parameters				
Rotor	Procedure	RCF	time	Use
	1	2000xg	180s	Lymphocyte isolation, cultured cell isolation
Rotor for red blood cell washing	2	1000xg	3s	Platelet removal (thrombin treatment)
	3	1000xg	60s	Lymphocyte washing
	4	500xg	60s	Blood type judgment, hemagglutination reaction observation
Rotor for red blood cell washing	5	1000xg	15s	Cross-fittest, antiglobulin test
	6	1000xg	60s	Cleaning of blood cells, extraction of serum and plasma

## PCR Mini Micro Centrifuge

The PCR Mini Micro Centrifuge is a mini-sized centrifuge specifically designed for 96-well PCR Plates. It enables instant separation of droplets from the plate, simply by vertically inserting the PCR Plates into the slot at the top of the centrifuge (the liquid is retained within the PCR Plates due to surface tension, eliminating concerns of leakage). With user-friendly program design, it offers versatile operation modes such as pulse, timed, and adjustable speed, making experiments more convenient and efficient.



### UNIQUE

- ▶ User-friendly program design with adjustable operation modes for pulse, timed, and speed control. Modify centrifugation parameters during operation for convenient and efficient experiments. Quiet and stable operation.



### USER-FRIENDLY DESIGN

- ▶ LCD display screen allows modification of centrifugation parameters during operation; Instant centrifugation function with automatic braking and adjustable maximum speed, expanding its applications.



### PRODUCT FEATURES

- ▶ Compatible with skirted and non-skirted Standard PCR plates.
- ▶ Unique design, compact size, space-saving, easy operation. The lid opens 90°, allowing convenient placement and retrieval of PCR plates.
- ▶ Significantly improve experimental results by quickly removing hanging droplets. Suitable for use before and after PCR experiments.



### SAFETY

- ▶ Maintenance-free brushless DC motor for faster acceleration and deceleration rates, allowing for separation of a greater number of samples in a shorter time.



### Technical Parameters

Model	DL-1010
Max speed	3000rpm (500-3000rpm)
Max RCF	600 xg
Timer	Jog/1~99s、1~99min
NO1:PCR Plate	96Well × 2
NO2:ELISA PLATE	96Well × 2



NO3:PCR tube	0.2ml×24Well
NO4:PCRPalte	0.2ml×192Well
Input power	DC24 Power Adapter (AC100~230V50/60Hz)
Weight	2.6Kg
Motor Power	50W
Dimension(D*W*H)	230×195×195mm

## Digital Display Laboratory Low Speed Centrifuge

Wide application in industries such as education, scientific research, biochemistry, medical diagnostics, food safety, agricultural product testing, livestock and aquaculture testing, microbiology, molecular chemistry, environmental protection, and quality inspection.



DL-1004



### PRODUCT FEATURES

- ▶ The housing is made of high-strength ABS material, molded in one piece, featuring a sleek and compact design. It is lightweight, produces low noise, and is corrosion-resistant.



### USER-FRIENDLY DESIGN

- ▶ Time control: 99 minutes with an accuracy of  $\pm 1$  second for continuous and instant centrifugation.



### SAFETY

- ▶ Equipped with overspeed, imbalance, and lid protection to ensure safe operation of the instrument.



### UNIQUE

- ▶ Microcomputer-controlled for simple operation, with automatic calculation and setting of RCF centrifugal force. It features an RCF key for instant observation and real-time modification of parameters.
- ▶ Directly driven by a high-torque DC motor, it has a short acceleration and deceleration time, with a speed range of 300 to 4500rpm.



### Technical Parameters

Model	DL-1004 Benchtop
Max speed	4000rpm
Max RCF	1880xg
Max capacity	10ml×12
Speed accuracy	$\pm 20$ rpm
Noise	$\leq 50$ dB
Timier	1~99min
NO.1Angle rotor	5ml/7ml/10ml×12 1880xg
NO.2Angle rotor	15ml/20ml×8 1880xg
Max centrifugal medium density	1.2g/ml
Power supply	AC220V 50Hz
Weight	10Kg
Power	90W
Dimension(D*W*H)	300×260×220mm



## Low Speed LCD Lab Centrifuge

Widely used in research laboratories and production units in the fields of radioimmunoassay, biochemistry, and pharmaceuticals for the separation of particles of different densities.



DL-1006(Benchtop)



DL-1006(Benchtop)



DL-1006(Benchtop)



### FEATURES

- ▶ Compact size, saving laboratory space.
- ▶ Stainless steel centrifuge chamber with a full steel structure.



### USER-FRIENDLY DESIGN

- ▶ Clear and intuitive operation with LCD display for enhanced visibility and ease of use.
- ▶ On-the-fly parameter adjustments during operation without the need for stopping the centrifuge.
- ▶ This model offers exceptional cost-effectiveness, with stable and reliable quality. It finds extensive application in laboratories across various levels, including hospitals and colleges.



### Technical Parameters



### UNIQUE

- ▶ Automatic calculation with RCF value display switching.
- ▶ 10-speed control for acceleration and deceleration, with 20 program storage spaces for user programming and recall.



### SAFETY

- ▶ Maintenance-free brushless DC motor drive ensures smooth and noise-free operation.

Model	DL-1006 Benchtop
Max speed	4000rpm
Max RCF	2250xg
Speed accuracy	±20rpm
Noise	≤60dB
Timier	1min ~99min
NO.1Angle rotor	10ml/15ml/20ml×12 4000rpm 2250xg
NO.2Angle rotor	5ml/10ml×24 4000rpm 2250xg
NO.3Angle rotor	50ml×6 4000rpm 2250xg
NO.4Blood typecard rotor	12PCS 2min 900 rpm 92xg 2min 1500rpm 256xg
Power supply	AC220V 50Hz 10A
Weight	15Kg
Power	100W
Dimension(D*W*H)	385×320×270mm



## Low-speed Blood Centrifuge

DL-1002 is widely used in blood banks and transfusion departments.

DL-1032, DL-1044, DL-1048, DL-1050 are widely applicable in teaching, research, biochemical products, medical testing, food safety, agricultural product testing, livestock and aquaculture testing, microbiology, molecular chemistry, environmental protection, quality inspection, and are specialized centrifuges in major hospital blood banks.



DL-1002 (Benchtop)



DL-1032 (Benchtop)



DL-1044 (Benchtop)



DL-1048 (Benchtop)



DL-1050 (On Floor)



### FEATURES

- ▶ Microcomputer control, large-screen color LCD display, full touchscreen operation interface.
- ▶ Working program, centrifugal force, speed, centrifugation time, lifting speed, and simultaneous display with rotor model on LCD.
- ▶ Brushless AC variable frequency motor drive, using dedicated drive module to ensure circuit reliability.
- ▶ Parameters can be changed freely during operation without the need to stop the machine.
- ▶ Fastest lifting and lowering speed  $\leq 25s$ .



### UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples.
- ▶ Timing at set pm/Timing at startup Spot spin centrifugation.
- ▶ Programmable Differential RCF program 5 reserved programs can be set by users.



### SAFETY

- ▶ Safe lids system works as soon as the centrifuge activated.
- ▶ Double-layer steel, construction create a sturdy and safe chamber.
- ▶ Double-layer steel structure to prevent corrosion from corrosive substances.
- ▶ Automatic unbalance detection auto-shutdown when unbalance alarms.
- ▶ Sinking exhaust channel design prevents aerosol pollution during centrifugation.



### USER-FRIENDLY DESIGN

- ▶ 20 optional programmable centrifugation programs improve work efficiency.
- ▶ SOFT BRAKE design prevents sample resuspension and protect your sensitive samples.
- ▶ Countdown function: Count down in seconds and display the remaining working time in realtime.
- ▶ Customizable 485 communication interface for remote control capabilities.(Optional).



### Technical Parameters

Model	DL-1002 Benchtop
Maximum speed	5000rpm
Max.RCF	3130xg
Max.Capacity	15ml×12
Speed accuracy	±10rpm
Timier	1s~99h59min59s/ with continuous mode, short spin
temp rise of the test solution	Run 20mins test solution heating<10°C
Max. ACC/Deceleation speed	≤5s
Noise	≤50dB
Angle Rotor	10ml/15ml × 12 adapter 5mlOptional
Power supply	AC220V 50Hz 10A
Weight	28Kg
Power	300W
Dimension(D*W*H)	426×322×340mm



Model	DL-1032 Benchtop
Max. speed	6000rpm
Max. RCF	5502xg
Max capacity	100ml×4
Speed accuracy	±10rpm
Noise	≤60dB
Timier	1s~99h59min59s/ with continuous mode, short spin
temp rise of the test solution	Run for 20 minutes to test liquid temperature rise<10°C
Power supply	AC220V 50Hz 10A
Weight	50Kg
Power	400W
Dimension(D*W*H)	540×425×400mm
NO.1: Low-speed angle rotor	5/10/15ml×12 6000rpm 5502xg
NO.2: Low-speed angle rotor	50ml×6 6000rpm 5502xg
NO.3: Low-speed angle rotor	5ml 【Freezing Tube】×12 5000rpm 2627xg
NO.4: Horizontal Rotor Adaptor	100ml×4 4500rpm 3645xg
Adaptor	100ml×4 50ml×8 10/15ml×24【Conical tube/centrifuge tube for urine sediment】
NO.5: Horizontal Rotor Adaptor	100ml×4 4500rpm 3645xg
Adaptor	5/7ml×32【Vacutainer】100ml×4 50ml×8 10/15ml×24【Conical tube/CTUS】
NO.6 : Detached Horizontal RotorUncap adapter Adaptor	5/7ml×32 【Vacutainer】 4500rpm 3645xg
Uncap adapter	5/7ml×32 【Vacutainer】
Adaptor	100ml×4 50ml×8 10/15ml×24 【Conical tube/CTUS】
NO.7: Horizontal Rotor Adaptor	5/7ml×40【Vacutainer】 4500rpm 3645xg
Adaptor	5/7ml×40【Vacutainer】100ml×4 50ml×8 10/15ml×24【Conical tube/CTUS】
NO.8: Horizontal Rotor Adaptor	5/7ml×48【Vacutainer】 4500rpm 3645xg
Adaptor	5/7ml×48【Vacutainer】
NO.9: Uncap Horizontal Rotor Adaptor	5/7ml×48 【Vacutainer】 4500rpm 3645xg
Adaptor	5/7ml×48【Vacutainer】
NO.10: Horizontal HRP-labeled rotor 【DWP/MTP】	96Well ×2/96Well ×2×2

Model	DL-1044 【Benchtop】
Max. speed	6000rpm
Max. RCF	5502xg
Max capacity	500ml×4
Speed accuracy	±10rpm
Noise	≤60dB
Timier	1s~99h59min59s/with continuous mode, short spin
Temp rise of the test solution	Run for 20 minutes to test liquid temperature rise<10°C
Power supply	AC220V 50Hz 10A
Weight	67Kg
Power	400W
Dimension(D*W*H)	610×485×400mm



Model	DL-1044 【Desktop】
NO.1:Horizontal Rotor	300ml×4 ( centrifuge tube ) 4500rpm 3894xg
Adaptor	250ml×4 100ml×4 50ml×12 10ml×40【Vacuum Tube】15ml×28 【Conical tube】3/5/7ml×56 【 Vacuum Tube】 5ml×76【Immunoassay tube】
NO.2: Horizontal Rotor	500ml×4 (centrifuge tube) 4200rpm 3451xg
Adaptor	250ml×4 100ml×8 50ml×16 10ml×56【Vacuum Tube】15ml×40 【Conical tube】3/5/7ml×68【 Vacuum Tube】5ml×96【Immunoassay tube】
NO.3:Detached Horizontal Rotor	3ml/5ml×68【Vacuum Tube】4200rpm 3451xg
Uncap adapter	3ml/5ml×68【 Vacuum Tube】
Adaptor	250ml×4 100ml×8 50ml×16 10ml×56【Vacuum Tube】15ml×40 【Conical tube】3/5/7ml×68【Vacuum Tube】5ml×96【Immunoassay tube】
NO.4:Horizontal Rotor	3ml×100【Vacuum Tube】5ml×84【Vacuum Tube】4200rpm 3451xg
NO.5:Detached Horizontal Rotor	3ml×100【Vacuum Tube】5ml×84【Vacuum Tube】4200rpm 3451xg
NO.6: Low speed angular rotor	50ml×6 6000rpm 5502xg
NO.7:Enzymatic reaction plate rotor	96Well×2/96Well×2×2 5000rpm 3530xg

Model	DL-1048 【Desktop】	DL-1050 【vertical】
Max. speed	6000rpm	
Max. RCF	5502xg	
Max capacity	750ml×4	
Speed accuracy	±10rpm	
Noise	≤62dB	
Timier	1s~99h59min59s/ with continuous mode, short spin	
temp rise of the test solution	Run for 20 minutes to test liquid temperature rise<10℃	
Power supply	AC220V 50Hz 10A	
Weight	60Kg	89Kg
Power	600W	
Dimension(D*W*H)	640×515×450mm	750×590×890mm
NO.1: Horizontal Rotor	750ml×4 4200rpm 3727xg	
Adaptor (Basket)	500ml×4250ml 【 Standard tube】 ×4250ml 【Corning tube】 ×4100ml×1250 ml×20 50ml(Round-bottom tube)×2815ml/20ml(Pointed-bottom tube)×5610 ml(Vacuum tube)×76 3ml/5ml/7ml 【Vacuum tube】 ×965ml(Immunoassay tube)×148	
NO.2: Detached Horizontal Rotor	3ml/5ml/7ml 【Vacuum tube】×96 4200rpm 3727xg	
Uncap adapter	3ml/5ml/7ml 【Vacuum tube】×96	
Adaptor	100ml×12 50ml×20(Conical tube)15ml/20ml(Conical tube) ×56	
NO.3: Anti-contamination horizontal rotor	750ml×4 4200rpm 3727xg【Adapter reference No.1 No.2Horizontal Rotor,Except Corning tube】	
NO.4: Horizontal Rotor	3ml/5ml【Vacuum Tube】×120 4000rpm 3399xg	
NO.5: Detached Horizontal Rotor	3ml/5ml 【Vacuum Tube】×120 4000rpm 3399xg	
NO.6: Low speed angular rotor	50ml×6 6000rpm 5502xg	
NO.7: Enzymatic reaction plate rotor	96 Well×2 5000rpm 3530xg	
	96 Well×2×2 5000rpm 3530xg	
NO.8: Enzymatic reaction plate rotor	96 Well×4 4000rpm 3667xg	
	96 Well×4×2 4000rpm 3667xg	





## Laboratory Low Speed Cooling Centrifuge

### Low Speed Cooling Centrifuge

Widely applicable in teaching, research, biochemical products, food safety, agricultural product testing, livestock and aquaculture testing, microbiology, molecular chemistry, environmental protection, and quality inspection industries.



DL-1042R (台式)



DL-1048R (台式)



DL-1050R (立式)



#### FEATURES

- ▶ Microcomputer control, large-screen color LCD display, full touchscreen operation interface.
- ▶ Working program, centrifugal force, speed, centrifugation time, lifting speed, and simultaneous display with rotor model on LCD.
- ▶ Brushless AC variable frequency motor drive, using dedicated drive module to ensure circuit reliability.
- ▶ Parameters can be changed freely during operation without the need to stop the machine.
- ▶ Fastest lifting and lowering speed  $\leq 25s$ .
- ▶ ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life.



#### USER-FRIENDLY DESIGN

- ▶ 20 optional programmable centrifugation programs improve work efficiency.
- ▶ SOFT BRAKE design prevents sample resuspension and protect your sensitive samples; Multi-layer damping, shock absorption design ensures good centrifugal effect.
- ▶ Customizable 485 communication interface for remote control capabilities.(Optional)



#### UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples.
- ▶ Timing at set pm/Timing at startup Spot spin centrifugation.
- ▶ Programmable Differential RCF program 5 reserved programs can be set by users.
- ▶ Fast Cool&Quick Lock cools down to 4°C in only 5 minutes.
- ▶ Standby Cooling design Pre-Cooling the chamber to set temperature, before operation.



#### SAFETY

- ▶ Safe lids system works as soon as the centrifuge activated, Double-layer steel construction create a sturdy and safe chamber.
- ▶ Double-layer steel structure to prevent corrosion from corrosive substances.
- ▶ Automatic unbalance detection auto-shutdown when unbalance alarms.
- ▶ Imported compressor unit, fluorine-free refrigeration.
- ▶ Built-in condensation drain to eliminate water accumulation.



#### Technical Parameters

Model	DL-1042R	DL-1048R	DL-1050R
Max. speed	6000rpm		
Max. RCF	5502xg		
Max capacity	300ml×4	5ml×120	750ml×4
Speed accuracy	±10rpm		
Noise	≤60dB	≤62dB	
Timier	1s~99h59min59s/(with continuous mode, short spin)		
Temp. Range	-20°C~40°C		
Temp. accuracy	±1.0°C		
Power supply	220V 50Hz 15A		
Weight	95Kg	108Kg	120Kg
Dimension(D*W*H)	570×615×504mm	666×698×515mm	750×590×890mm



## DL-1042R Rotor Portfolio

Model	DL-1042R
NO.1:Horizontal Rotor	300ml×4( Centrifuge tube ) 4500rpm 3645xg
Adaptor	250ml×4 100ml×4 50ml×12 10ml×40 【Vacuum Tube】 15ml×20【Conical tube】 3/5/7ml×56【Vacuum Tube】
NO.2:Horizontal Rotor	100ml×4 4500rpm 3645xg
Adaptor	100ml×4 50ml×8 5/7ml×32【Vacuum Tube】 10/15ml×24【Conical tub/CTUS】
NO.3:Detached Horizontal Rotor	3ml/5ml×32 【Vacuum tube】 4500rpm 3645xg
Uncap adapter	5ml×32【Vacuum Tube】
Adaptor	100ml×4 50ml×8 10/15ml×24 【Conical tub/CTUS】
NO.4:Horizontal Rotor	5ml/7ml×40 【Vacuum tube】 4500rpm 3645xg
Adaptor	5ml/7ml×40 【Vacuum tube】 100ml×4 50ml×8 10/15ml×24【Conical tub/CTUS】
NO.5:Horizontal Rotor	5ml/7ml×48 【Vacuum tube】 4500rpm 3645xg
Adaptor	5ml/7ml×48 【Vacuum Tube】
NO.6: Detached Horizontal Rotor	5ml/7ml×48 【Vacuum tube】 4500rpm 3645xg
Adaptor	5ml/7ml×48 【Vacuum Tube】
NO.7: Low speed angular rotor	50ml×6 6000rpm 5502xg
NO.8: Enzymatic reaction plate rotor	96Well ×2 /96Well ×2×2 5000rpm 3530xg



## DL-1048R, DL-1050R Rotor Portfolio

Model	DL-1048R	DL-1050R
NO1:Horizontal Rotor	5ml×120 4200rpm 3747xg	750ml×4 4200rpm 3727xg
Adaptor	3/5/7ml×120 【Vacuum Tube】	500ml×4 250ml×4 【Standard tube】250ml×4 【Corning tube】 100ml×12 50ml×20【Conical tube】15ml/20ml【Conical tube】×56 10ml×76【Vacuum Tube】3/5/7ml×96【Vacuum Tube】 5ml×148 【Immunoassay tube】
NO.2:Detached Horizontal Rotor	3ml/5ml×96 4200rpm 3727xg	
Uncap adapter	3/5/7ml×96	
Adaptor	100ml×12 50ml×20 【Conical tube】 15ml/ 20ml【Conical tube】 ×56	
NO.3 : Anti-contamination horizontal rotor	750ml×4 4200rpm 3727xg	
Adaptor	reference No.1 No.2Horizontal Rotor,Except Corning tube	
NO.4:Horizontal Rotor	3ml/5ml×120 4200rpm 3747xg	
Adaptor	3/5/7ml【 Vacuum Tube 】×120	
NO.5: Detached Horizontal Rotor	3ml/5ml×120 4200rpm 3747xg	
Uncap adapter	3/5/7ml【 Vacuum Tube 】×120	
NO.6: Low speed angular rotor	50ml×6 6000rpm 5502xg	
NO.7: Enzymatic reaction plate rotor	96 Well ×2/96Well×2×2 5000rpm 3530xg	
NO.8: Enzymatic reaction plate rotor	96 Well ×4/96Well×4×2 4000rpm 3667xg	



## Floor Large Capacity Low Speed Cooling Centrifuge

Floor Large Capacity Low Speed Cooling Centrifuge Specially designed for customers with large capacity requirements, it is a commonly used product in blood stations and blood banks.



### SAFETY

- ▶ Robust all-steel construction with triple-layer protection ensures safety and reliability.
- ▶ Equipped with self-correcting balanced rotor head, it displays error codes and automatically stops when the rotor head becomes unbalanced. No need for balancing when the weight difference of blood bags is within 3\*50g.
- ▶ Automatic monitoring of multiple protections, including unbalance, overspeed, overtemperature, door lock, and more.



### FEATURES

- ▶ Equipped with a brushless, variable frequency motor for safe and stable operation.
- ▶ Low vibration, easy operation, and noise level below 65 decibels.



### UNIQUE

- ▶ Centrifugal speed starts at 100rpm with a high precision of up to  $\pm 20$ rpm.
- ▶ Timing at set pm/Timing at startup according to customer requirements.
- ▶ Uses environmentally friendly refrigerants that comply with environmental requirements, Temperature control range from -20 °C to 40 °C All rotors maintain 4°C at maximum rotor speed.



### USER-FRIENDLY DESIGN

- ▶ Blood bank specialized horizontal square cup rotor, capable of separating 6 × 100ml in a single run, accommodating 6 units of 400ml quadruple blood bags; or 24 units of 100ml platelet transfer bags.
- ▶ The floor-standing low-speed centrifuge is designed for customers with large capacity requirements. It features a sturdy and durable construction, optimized electrical control, and the latest ultra-light and high-capacity rotor. This centrifuge is widely used in central blood banks, pharmaceuticals, biotechnology, and other fields where high sample processing capacity is needed.



### Technical Parameters

Model	DL-1058R
Max. speed	6500 rpm
Max. RCF	6680xg
Max capacity	1000ml×6
Speed accuracy	$\pm 10$ rpm
Timier	1min~23h59min
Temperature range	-20°C~40 °C
Temperaturecontrolaccuracy	$\pm 1^{\circ}\text{C}$
Noise	$\leq 65\text{dB (A)}$
Power	4500W
Power supply	AC220V 50Hz 30A
Weight	275Kg
Centrifugal chamber diameter	$\phi 600\text{mm}$
Dimension(D*W*H)	830×730×1240mm

Rotor	capacity	Speed (RPM)	RCF (xg)
NO.1: Angle rotor	250ml×6	6500	6610
NO.2: Angle rotor	300ml×6	6500	6610
NO.3: Angle rotor	500ml×6	6000	6680
NO.4: Horizontal Rotor	1000ml×6 (Round cup/Square cup)	4200	5100
NO.5: Horizontal Rotor	2-7ml×168	4200	5100

## ■ Floor Large Capacity Blood Centrifuge

Floor Large Capacity Blood Centrifuge is specifically designed for customers with large capacity requirements. With its high sample processing capacity, it is commonly used in central blood banks, pharmaceuticals, biotechnology, and other fields. It is an essential product for handling a large volume of samples in these industries.



### FEATURES

- ▶ Equipped with a touch panel and microcomputer control, this centrifuge features a large LCD display. It allows for convenient parameter setting and displays both the set parameters and operational parameters simultaneously.
- ▶ Featuring an imported environmentally friendly refrigeration unit (R404a refrigerant) and a unique cooling system, this centrifuge ensures optimal refrigeration and heating performance. It provides dual-channel temperature control and achieves excellent centrifugation results.
- ▶ With a high-torque variable frequency motor directly driving the operation, this centrifuge is free from carbon powder pollution, which significantly extends its lifespan.



### UNIQUE

- ▶ 9-speed levels acc/deceleration, allowing for optimal centrifugation performance. It also features a display that shows the ascending and descending curves of the speed, as well as temperature curves. Moreover, it allows for free parking at any time during the operation.
- ▶ It can separate up to 400ml of triple or quadruple blood bags in a single run, making it the centrifuge with the highest blood bag separation capacity in the country. It comes with a 2400ml centrifuge bottle, allowing for the separation of up to 14400ml of samples in one go. Additionally, it is equipped with a 6×2×1000ml horizontal rotor, meeting the requirements of the biopharmaceutical industry.



## SAFETY

- ▶ Equipped with various safety protection functions such as over-temperature protection, over-speed protection, electronic door lock, and imbalance detection. Triple-layer protective cover, ensuring safety and reliability to protect both the user and the machine.



## USER-FRIENDLY DESIGN

- ▶ Equipped with a dual-language (Chinese/English) operating system, allowing users to freely set parameters such as speed, centrifugal force, temperature, and time.
- ▶ The device automatically calculates the RCF (Relative Centrifugal Force) value, and users can program up to 40 different programs. Additionally, you have the flexibility to modify the parameters during operation.



## Technical Parameters

Model	DL -1060R 【Desktop】
Max speed	8000rpm
Max RCF	12166xg
Maximum capacity	2400ml×6
Speed accuracy	±10rpm
Timier	1 min ~23h59min
Temperature range	-20 °C ~40 °C
Temperaturecontrolaccuracy	±1 °C
Noise	≦65dB
Total power	7500W
Power supply A	AC220V 50Hz 50A
Centrifugal chamber diameter	Φ700mm
Weight	590Kg
Dimension(D*W*H)	975×860×1180mm

## Rotor configuration

Rotor	Capacity	Rotating speed (rpm)	centrifugalforce (xg)
NO.1: Angle rotor	500ml×6	8000	11680
NO.2: Angle rotor	1000ml×6	7200	12166
NO.3: Horizontal rotor	1000ml×6×2	4200	5000
NO.4: Horizontal rotor	2400ml×6	4200	5600
	Adapter	24×200ml Triple bag 300ml×18 400ml×12	





## High Speed Centrifuge

### Benchtop High Speed Centrifuge

Widely used in clinical medicine, biochemistry, genetic engineering, immunology, and other fields.



DL-2012H (Benchtop)



DL-2018H (Benchtop)



DL-3021H (Benchtop)



#### FEATURES

- ▶ LCD touch screen with microprocessor control. All functions and parameters are integrated for easy operation.
- ▶ Working program, centrifugal force, speed, centrifugation time, lifting speed, and simultaneous display with rotor model on LCD.
- ▶ Brushless AC Inverter Motor with particular drive modules, that makes the centrifuge with low noise and long service life.
- ▶ Parameters can be adjusted during running without stopping.
- ▶ Better acceleration and deceleration times, within 15S[H0.512].



#### UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples.
- ▶ Timing at set rpm/ Timing at start up.
- ▶ Programmable Differential RCF program 5 reserved programs can be set by user.
- ▶ Fixed-angle rotors can be autoclaved at 121°C for 2 hours.
- ▶ Countdown function: Count down in seconds and display the remaining working time in real-time.



#### SAFETY

- ▶ Safe lids system works as soon as the centrifuge activated.
- ▶ Double-layer steel construction create a sturdy and safe chamber.
- ▶ Double-layer steel structure to prevent corrosion from corrosive substances.
- ▶ Automatic unbalance detection auto-shutdown when unbalance alarms, Automatic identification of magnetic rotors, without the need for manual setting of rotor models, and overspeed protection.



#### TECHNICAL

- ▶ 20 optional programmable centrifugation programs improve work efficiency.
- ▶ SOFT BRAKE design prevents sample resuspension and protect your sensitive samples.
- ▶ Optional RS485 contact.



#### Technical Parameter

Model	DL-2012H【Benchtop】	DL-2018H【Benchtop】	DL-3021H【Benchtop】
Max. Speed	15500rpm	18800rpm	21000rpm
Max. RCF	23449xg	26870xg	30410xg
Max. Capacity	5ml×12	10ml×12	100ml×6
Speed Accuracy	±10rpm		
Timer	1s~99h59min59s/with continuous mode, short spin		
Noise	≤50dB	≤58dB	
Test solution temperature rise	Test solution temperature rise<10℃ after 20 minutes of operation		
Power Supply	220V 50Hz 10A		
Power	280W	400W	700W
Weight	22Kg	28Kg	45Kg
Dimension(D*W*H)	325×275×265mm	426×322×340mm	485×370×400mm



## Rotor Portfolio

Product Model			DL-2018H 【Benchtop】	DL-3021H【Benchtop】
Rotor Model	Capacity	Max rpm / RCF		
H0.512	0.5ml×12	Max. Speed	18800rpm	21000rpm
		Max. RCF	18967xg	23666xg
H0212	1.5ml/2.2ml×12	Max. Speed	18800rpm	20000rpm
		Max. RCF	26870xg	30409xg
H0224	1.5ml/2.2ml×24	Max. Speed	15800rpm	16500rpm
		Max. RCF	24365xg	25871xg
H0236	1.5ml/2.2ml×36	Max. Speed	/	16000rpm
		Max. RCF	/	24327xg
H0512	5ml×12	Max. Speed	16000rpm	16500rpm
		Max. RCF	19462xg	20240xg
H1012	10ml×12	Max. Speed	13500rpm	14500rpm
		Max. RCF	17645xg	21390xg
H1508	15ml×8	Max. Speed	/	12200rpm
		Max. RCF	/	14967xg
H0524	5ml×24	Max. Speed	/	12000rpm
		Max. RCF	/	16904xg
H1024	10ml×24	Max. Speed	/	12000rpm
		Max. RCF	/	15455xg
H3006	30ml×6	Max. Speed	/	14500rpm
		Max. RCF	/	20450xg
H5006	50ml×6	Max Speed	/	12000rpm
		Max. RCF	/	16904xg
H8504	100ml×4	Max. Speed	/	12000rpm
		Max. RCF	/	16904xg
H8506	100ml×6	Max. Speed	/	12000rpm
		Max. RCF	/	19320xg
H0.548	0.5ml×48	Max.Speed	/	16000rpm
		Max. RCF	/	22324xg
H0.232	0.2ml×4×8 Tandem PCR Tub	Max. Speed	13500rpm	14500rpm
		Max. RCF	14059xg	16219xg
H0.136	36 Capillary Rotor	Max. Speed	12000rpm	15000rpm
		Max. RCF	16904xg	20236xg
P5004Horizontal Rotor	50ml×4	Max. Speed	/	5000rpm
		Max. RCF	/	3913xg
E4002	48Well×2×2	Max. Speed	/	5000rpm
		Max. RCF	/	2375xg

## Mini Spin



DL-2002H

2002H/ Mini Spin would be used in below processes: separating serum from the blood cells, Extract supernatant from various biological samples Rapid sample sedimentation, Separation of trace blood cells Microbial sample processing, PCR experimental zone centrifugation.

### FEATURES

- ▶ Mini space for max spin.
- ▶ Quite with stable running.

### UNIQUE

- ▶ Wide voltage range from 85V-244V.

### TECHNICAL

- ▶ Deliver with 2 rotors with multiple usage.

### SAFETY

- ▶ Safe lids system works as soon as the centrifuge top open, high strength material to prevent any broken.
- ▶ Mini DC motor to prolong usage time.
- ▶ High strength complex whole material with quality ensurance system.



DL-2006H

2006H/ Mini Spin would be used in below processes: separating serum from the blood cells, Extract supernatant from various biological samples Rapid sample sedimentation, Separation of trace blood cells Microbial sample processing, PCR experimental zone centrifugation.

### FEATURES

- ▶ Plastic ball top with multiple rotors.
- ▶ Innovative and unique in appearance, versatile and practical.

### UNIQUE

- ▶ LED display ,Timing at set pm/ Timing at startup Spot spin centrifugation
- ▶ Easy to change rotor with unique rotor lock design.

### TECHNICAL

- ▶ Used in multiple rotors and tube set with 1.5ml, 0.5ml. 0.2ml and 0.2ml tube with 8 sets in PCR.
- ▶ Open top cover, centrifuge would stop.

### SAFETY

- ▶ Safe lids system works as soon as the centrifuge top open, high strength material to prevent any broken.
- ▶ Mini DC motor to prolong usage time.
- ▶ High strength complex whole material with quality ensurance system.

## Technical Parameter

Model	DL-2002H	DL-2006H
Max. Speed	7000rpm	12000rpm
Max. RCF	2350xg	7900xg
Speed Accuracy	±20rpm	
Noise	≤40dB	≤45dB
Max. Capacity	2ml×8	
Power Supply	85~245V / 50-60Hz	
Weight	1.5Kg	
Power	40W	50W
Dimension(D*W*H)	150×180×120mm	



## Rotor Portfolio

Model			DL-2002H	DL-2006H
Rotor	Capacity	Max rpm/RCF		
NO1: Angle Rotor	1.5/2.0ml×8	Max. Speed	7000rpm	12000rpm
		Max. RCF	2350xg	7900xg
NO2: Tandem Rotor	0.2ml×4×8	Max. Speed	7000rpm	12000rpm
		Max. RCF	2350xg	7900xg
Adapter	0.2ml、0.5ml			

## Refrigerated High Speed Centrifuge

Applied in clinical medicine, biopharmaceuticals, biochemistry, genetic engineering and other fields, used for the separation and extraction of large quantities of blood products and samples.

### LCD Display Type



DL-2026HR(On Floor)



#### FEATURE

- ▶ Steel structure to prevent corrosion from corrosive substances.
- ▶ Small and compact body, equipped with a large torque variable frequency motor for faster acceleration and deceleration, improving usage efficiency.



#### USER-FRIENDLY DESIGN

- ▶ Working program, centrifugal force, speed, centrifugation time.
- ▶ Lifting speed, and simultaneous display with rotor model on LCD.



#### UNIQUE

- ▶ Imported compressor with dual temperature control for refrigeration and heating, the unique heat dissipation system ensures the best refrigeration effect of the instrument.
- ▶ Equipped with various protections such as overspeed, over temperature, imbalance, and door cover self-locking, ensuring personal and machine safety.



#### SAFETY

- ▶ Brushless AC variable frequency motor drive.
- ▶ Using a dedicated drive module to ensure circuit reliability.

## Technical Parameter

Model	DL-2026HR (Vertical)
Max. Speed	21000rpm
Max.RCF	47580xg
Max. Capacity	750ml×4
Speed Accuracy	±30rpm
Timier	1 min~23h59min
Temp. Range	-20°C~40°C
Temp. Accuracy	±2°C
Mini Speed up/down Time	168s/168s
Noise	≤65dB
Power Supply	AC220V 50Hz 35A
Weight	190Kg
Power	3500W
Dimension(D*W*H)	825×625×910mm

## Rotor Portfolio

Roter. NO.	Capaacity	Max.Speed	Max. RCF
NO1:Angle Rotor	10ml×16	21000rpm	47580xg
NO2:Angle Rotor	50ml×6	20000rpm	43000xg
NO3:Angle Rotor	50ml×8	15000rpm	27720xg
NO4:Angle Rotor	100ml×8	13000rpm	19830xg
NO5:Angle Rotor	250ml×6	12000rpm	21700xg
NO6:Angle Rotor	500ml×6	8000rpm	11680xg
NO7:Angle Rotor	250ml×4	13000rpm	23420xg
NO8:Horizontal Rotor.	750ml×4	4000rpm	2300xg







## ■ High Speed Refrigerated LCD Screen Centrifuge



DL-2018HR (Benchtop)



DL-3020HR (Benchtop)



DL-3021HR (Benchtop)



DL-3022HR (Benchtop)



DL-3024HR (Benchtop)



DL-2012HR (Benchtop)



### Features

- ▶ Microcomputer control, large-screen color LCD display, full touchscreen operation interface.
- ▶ Working program, centrifugal force, speed, centrifugation time, lifting speed, and simultaneous display with rotor model on LCD.
- ▶ Brushless AC variable frequency motor drive, using dedicated drive module to ensure circuit reliability.
- ▶ Parameters can be changed freely during operation without the need to stop the machine.
- ▶ Fastest lifting and lowering speed  $\leq 15s$ [H0.512].
- ▶ ECO shut-off engages after cooling down to set temperature reduce energy consumption and extend compressor life.
- ▶ Fast Cool&Quick Lock cools down to 4°C in only 5 minutes.



### UNIQUE

- ▶ 15 acceleration/deceleration gears for various types of samples.
- ▶ Timing at set pm/Timing at startup Spot spin centrifugation.
- ▶ Programmable Differential RCF program 5 reserved programs can be set by users.
- ▶ Fixed-angle rotors can be autoclaved at 121°C for 2 hours.



### TECHNICAL

- ▶ 20 optional programmable centrifugation programs improve work efficiency.
- ▶ SOFT BRAKE design prevents sample resuspension and protect your sensitive samples.
- ▶ Countdown function: Count down in seconds and display the remaining working time in real-time.
- ▶ Optional RS485 contact.
- ▶ Built-in condensation drain to eliminate water accumulation.
- ▶ Standby Cooling design pre-cools the chamber to set temperature before operation.



### SAFETY

- ▶ Safe lids system works as soon as the centrifuge activated, Double-layer steel construction create a sturdy and safe chamber.
- ▶ Double-layer steel structure to prevent corrosion from corrosive substances.
- ▶ Automatic unbalance detection auto-shutdown when unbalance alarms.
- ▶ Automatic identification of magnetic rotors, without the need for manual setting of rotor models, and overspeed protection.



## Technical Parameter

Model	DL-2018HR 【Benchtop】	DL-3020HR 【Benchtop】	DL-3021 【Benchtop】	DL-3022HR 【Benchtop】	DL-3024HR 【Onfloor】	DL-2012HR 【Benchtop】
Max. Speed	18800rpm	24000rpm	23000rpm	23500rpm	24000rpm	15500rpm
Max.RCF	26870xg	40217xg	36796xg	38487xg	40217xg	23449xg
Max.Capacity	10ml×12	750ml×4	100ml×6	300ml×4	750ml×4	1.5ml/2.2ml×24
Speed Accuracy	±10rpm					
Temp Range	-20°C~40°C					
Temp. Accuracy	±1.0°C					
Timer	1s~99h59min59s/with continuous mode, short spin					
Noise	≤58dB					≤50dB
Power Supply	220V 50Hz 10A					220V 50Hz 5A
Frequency	1000W	1800W	1500W	1500W	2000W	380W
Weight	70Kg	108Kg	90Kg	95Kg	120Kg	38Kg
Dimension(D*W*H)	613×382×325	666×698×515	510×555×488	570×615×504	750×590×890	540×315×255

### DL-2018HR, DL-3020HR, DL-3021HR, DL-3022HR Rotor Portfolio

Model			DL-2018HR	DL-3020HR	DL-3021HR	DL-3022HR
Rotor Model	Capacity	Max rpm/RCF				
H0.512	0.5ml×12	Max.rpm	18800rpm	24000rpm	23000rpm	23500rpm
		Max. RCF	18967xg	30910xg	28388xg	29636xg
H0.524	0.5ml×24	Max.rpm	/	23000rpm	22000rpm	22500rpm
		Max. RCF	/	40217xg	36796xg	38487xg
H0212	1.5ml/2.2ml×12	Max.rpm	18800rpm	23000rpm	22000rpm	22500rpm
		Max. RCF	26870xg	40217xg	36796xg	38487xg
H0224	1.5ml/2.2ml×24	Max.rpm	15800rpm	17500rpm	17500rpm	16500rpm
		Max. RCF	24365xg	29890xg	29890xg	25871xg
H0236	1.5ml/2.2ml×36	Max.rpm	14000rpm	16000rpm	16000rpm	16000rpm
		Max. RCF	19502xg	25473xg	25473xg	25473xg
H0248	1.5ml/2.2ml×48	Max.rpm	12000rpm	15500rpm	15500rpm	15500rpm
		Max. RCF	15584xg	26672xg	26672xg	26672xg
H0512	5ml×12	Max.rpm	16000rpm	17000rpm	17000rpm	17000rpm
		Max. RCF	19462xg	21971xg	21971xg	21971xg
H1012	10ml×12	Max.rpm	13500rpm	15500rpm	15500rpm	15500rpm
		Max. RCF	17645xg	23261xg	23261xg	23261xg
H1508	15ml×8	Max.rpm	/	13000rpm	13000rpm	13000rpm
		Max. RCF	/	17572xg	17572xg	17572xg
H0524	5ml×24	Max.rpm	/	15000rpm	13500rpm	13500rpm
		Max. RCF	/	21130xg	17115xg	17115xg
H1024	10ml×24	Max.rpm	/	12500rpm	12500rpm	12500rpm
		Max. RCF	/	16770xg	16770xg	16770xg



Model			DL-2018HR	DL-3020HR	DL-3021HR	DL-3022HR
Rotor Model	Capacity	Max rpm/RCF				
H3006	30ml×6	Max.rpm	/	15000rpm	15000rpm	15000rpm
		Max. RCF	/	22640xg	22640xg	22640xg
H5006	50ml×6	Max.rpm	/	13000rpm	13000rpm	13000rpm
		Max. RCF	/	18762xg	18762xg	18762xg
H5008	50ml×8	Max.rpm	/	12000rpm	12000rpm	12000rpm
		Max. RCF	/	16904xg	16904xg	16904xg
H1004	100ml×4	Max.rpm	/	12000rpm	12000rpm	12000rpm
		Max. RCF	/	16904xg	16904xg	16904xg
H1006	100ml×6	Max.rpm	/	12000rpm	12000rpm	12000rpm
		Max. RCF	/	16904xg	16904xg	16904xg
H0.548	0.5ml×48	Max.rpm	13000rpm	16000rpm	16000rpm	16000rpm
		Max. RCF	14737xg	22324xg	22324xg	22324xg
H0.232	0.2ml×32	Max.rpm	13500rpm	14500rpm	14500rpm	14500rpm
		Max. RCF	14059xg	16219xg	16219xg	16219xg
NO.1:Horizontal Rotor	750ml×4	Max.rpm	/	4200rpm	/	/
		Max. RCF		3727xg		
NO.2:Horizontal Rotor	500ml×4	Max.rpm	/	4200rpm	/	/
		Max. RCF		3451xg		
NO.3:Horizontal Rotor	300ml×4	Max.rpm	/	4500rpm	/	4500rpm
		Max. RCF		3645xg		3645xg
NO.4:Horizontal Rotor	100ml×4	Max.rpm	/	/	/	5000rpm
		Max.rpm				4500xg
NO.5:Horizontal Rotor	50ml×4	Max.rpm	/	/	/	/
		Max. RCF				
NO.6:Horizontal Rotor	10ml×12	Max.rpm	/	/	/	/
		Max. RCF				
NO.7:Horizontal Rotor	15ml×4	Max.rpm	/	/	/	/
		Max. RCF				
NO.8:Enzymatic reaction plate rotor	48Well ×2×2	Max.rpm	/	/	/	/
		Max. RCF				
NO.9:Enzymatic reaction plate rotor	96Well ×2/96Well ×2×2	Max.rpm	/	5000rpm	/	5000rpm
		Max. RCF		4081xg		4081xg
NO.10:Enzymatic reaction plate rotor	96Well ×4/96Well ×4×2	Max.rpm	/	4000rpm	/	/
		Max. RCF		3667xg		

Note: Customerized Rotor H0.524、H0.548、H0312、H0324 【3ml Vacuum tube】、H0712、H0724 【5ml Vacuum tube】

## DL-3024HR Rotor Portfolio

Rotor	Capacity		Speed(rpm)	RCF (xg)
H0.232	0.2ml×4×8 PCR Tandem Rotor		14500	16219
H0.512	0.5ml×12		24000	30910
H0.524	0.5ml×24		23000	40217
H0.548	0.5ml×48		16000	22324
H0212	1.5ml/2.2ml×12		23000	40217
H0224	1.5ml/2.2ml×24		17500	29890
H0236	1.5ml/2.2ml×36		16000	25473
H0248	1.5ml/2.2ml×48		15500	26672
H0512	5ml×12		17000	21971
H0524	5ml×24		13500	17115
H1012	10ml×12		15500	23261
H1024	10ml×24		12500	16770
H1508	15ml×8		13000	17572
H3006	30ml×6		15000	22640
H5006	50ml×6		13000	18762
H5008	50ml×8		12000	16904
H1004	100ml×4		12000	16904
H1006	100ml×6		12000	16904
NO.1:Horizontal Rotor	HorizontalRotor : 750ml×4		4200	3727
	Adapter : 500ml×4 250ml【Corning tube】×4 100ml×12 50ml 【Conical tube】×20 50ml 【Adapter】×28 15ml/20ml【Conical tube】×56 10ml 【Vacuum tube】×76 3/5/7ml【Vacuum tube】×96 5ml 【Immunoassay tube】×148			
NO 2. Detached Horizontal Rotor	Horizontal Rotor : 3/5ml×96		4200	3727
	Uncap adapter : 3/5ml 【Vacuum tube】×96 Adapter: 100ml×12 50ml 【Conical tube】×20 15ml/20ml 【Conical tube】×56			
No.3: Anti-contamination horizontal rotor	Horizontal Rotor : 750ml×4		4200	3727
	Adapter reference No.1、 No.2,Except Corning			
NO.4 Enzymatic reaction plate rotor	Enzymatic reaction plate	96Well ×2 /96Well ×2×2	5000	4081
NO.5 Enzymatic reaction plate rotor		96Well ×4 /96Well ×4×2	4000	3667





## Product Portfolio



For more details