

**BIOMETER**

# PRODUCTS CATALOG

**BIOMETER**



**Version 2021**

Expert for one-stop-shop solutions for laboratory since 2011



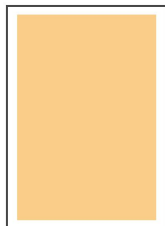
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QINGDAO JIADING ANALYTICAL INSTRUMENT CO., LTD

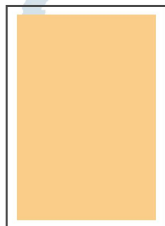
## Introduction

Established in 2011, Biometer Co., Ltd. has been focusing on one-stop-shop solutions for research, development and marketing of medical equipment and laboratory equipment products for various fields covering government departments, scientific research institutions, colleges, biomedicine, advanced material, chemical industry, environment, food, electronics and electrical appliances, etc. for more than 10 years.

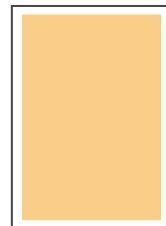
A variety of our products have been granted with EU, CE, EN, NSF, FDA and other authoritative certificates. Until now, we have set foot in Philippines, Namibia, Ethiopia, Brazil, India, Spain and etc.



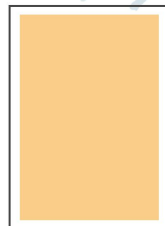
ISO9001



ISO9001



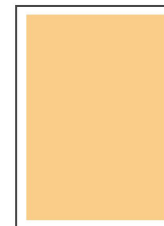
ISO14001



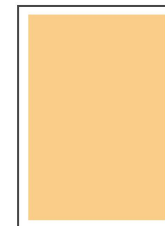
SGS

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ISO9001



ISO9001



ISO14001



SGS

## D1008 Mini Centrifuge



### Key Features:

- Ideal for microfiltration and quick spin-downs
- Easy-to-use with dual start/stop function
- 7,000rpm fixed speed (D1008)
- 5,000rpm fixed speed (D1008E)
- Compatible with 2mLx8 and PCR8x2 rotors
- Quiet running, noise level ≤45dB
- Rotor change without tools
- Accelerates and brakes in seconds
- Available in two colors i.e., green, blue

### Technical Parameters:

Specifications	D1008
Max. Speed	7,000rpm
Max. RCF	2,680×g
Rotor Capacity	0.2/0.5/1.5/2.0mL×8; 0.2mL×16 PCR strips or 0.2mL×2 PCR 8 strips
Running Time	Continuous operation
Driving Motor	DC motor
Power Supply	AC110-240V/50Hz/60Hz 20W
Noise Level	≤45dB
Physical Dimension [D×W×H]	160x170x122mm
Weight	0.5kg
Certification	CE cTUVus FCC MCA

### Centrifuge - D1008 EZeeMini Centrifuge

Cat. No.	P/N	Descriptions	Power Supply
9031001012	D1008	Mini Centrifuge with blue lid, including two rotors A08-2 & A02-PCR8 and both adapter SA02P2&SA05P2 (package contain in the box)	US plug, 100-240V/50Hz/60Hz Cn plug, 100-240V/50Hz/60Hz Euro plug, 100-240V/50Hz/60Hz UK plug, 100-240V/50Hz/60Hz

### Accessories of D1008

Cat. No.	P/N	Descriptions
19400015	A08-2	Plastic rotor (blank LOGO), 7,000rpm, 2ml/1.5ml*8, used with D1008
19400017	A02-PCR8	Plastic rotor (blank LOGO), 7,000rpm, PCR8*2, used with D1008
19400029	SA02P2	2ml to 0.2ml rotor adapter, used with D1008 rotor, 8pcs/pk
19400026	SA05P2	2ml to 0.5ml rotor adapter, used with D1008 rotor, 8pcs/pk

## D2012 plus High Speed Mini Centrifuge



### Key Features:

- Powerful centrifugal force of 15,100xg and max speed of 15,000rpm ideal for various applications
- Brushless DC motor drive quickly accelerates the rotor to set speed.
- Quiet working, Low noise ≤56dB
- D2012 is proven by IEC/EN 61010-1
- D2012 Plus passed the rigorous explosion-proof test and accredited with CE, cTUVus, FCC certificates and MCA test according to IEC/EN61010-2-20

### Technical Parameters:

Specifications	D2012 plus
Max. Speed	15,000rpm(500-15,000rpm), increment:100rpm
Max. RCF	15,100×g, increment: 100×g
Speed Accuracy	±20rpm
Rotor Capacity	0.2mL/0.5mL/1.5mL/2mL×12
Run Time	30sec-99min/Continuous
Driving Motor	Brushless DC motor
Safety Devices	Door interlock; Over-speed detection, Over-temperature detection; Automatic internal diagnosis
Power Supply	Single-phase , AC100V-240V , 50Hz/60Hz , 3A ,100W
Noise level	≤54dB
Acceleration/Braking time	11s/9s]
Physical Dimension [D×W×H]	255×245×140mm
Weight	6kg
Certification	EMC, CE, FCC, ICES, cTUVus, CB
Advanced features	Speed/RCF switch, short-time run function, sound-alert function

Cat. No.	P/N	Descriptions	Power Supply
9032002121	D2012 plus	High Speed Mini Centrifuge (CE marked), with A12-2P plastic rotor kit (select 19400010) (package contain in the box)	US plug, 100-240V/50Hz/60Hz Cn plug, 100-240V/50Hz/60Hz Euro plug, 100-240V/50Hz/60Hz UK plug, 100-240V/50Hz/60Hz

## DM0408 Low Speed Centrifuge



### Key Features:

- Speed range of 300-4,000rpm
- 3 programs storage capacity for routine applications
- Automatic internal diagnosis
- Maintenance-free brushless DC motor



### Technical Parameters:

Specifications	DM0408
Speed range	300-4,000rpm increment: 100rpm
Max. RCF	1,900×g
Speed accuracy	±100rpm
Rotor	Angle 8×15ml (Default) , Angle 10ml×12
Running time	1-99min, HOLD
Motor	Brushless DC motor
Display	LED
Program	Blood: 3,200rpm,10min; Urine: 1,800rpm, 5min; Faecal: 1,300rpm,10min.
Safety Device	Automatic internal diagnosis
Acceleration/deceleration	25s 35s
Power Supply	Single phase , 100V-240V , 50Hz/60Hz
Physical Dimension (W×D×H)	286×367×227mm
Weight	9.2kg
Noise level	≤60dB(A)

Cat. No.	P/N	Descriptions	Power Supply
9149002225	DM0408	Low speed centrifuge, with A8-15P rotor standard	US plug, 100-240V/50Hz/60Hz Cn plug, 100-240V/50Hz/60Hz Euro plug, 100-240V/50Hz/60Hz UK plug, 100-240V/50Hz/60Hz
9149002228	DM0408	Low speed centrifuge, with A12-10P rotor standard	

### Accessories

Cat. No.	P/N	Descriptions
19400084	A8-15P	Plastic angle rotor, 15ml x 8, default adaptor A15P22
19200921	A12-10P	Plastic rotor, 15ml x 8 or 10ml×12

## DM1224 Hematocrit Centrifuge



### Key Features:

- Max. speed 12,000rpm, max. RCF 13,680×g
- Precise control of speed and time separately
- Rotor capacity: Hematocrit rotor: 24 capillary



### Technical Parameters:

Specifications	DM1224
Speed Range	500-12,000rpm, increment: 100rpm
Max. RCF	13,680×g
Speed Accuracy	±100
Rotor Capacity	1 type
Running Time	10sec-99min/Continuous
Motor	Brushless DC moto
Display	LCD
Safety Devices	Door interlock
Acceleration/Braking time	40s 40s
Power Supply	Single-phase , 200V-240V, 50Hz/60Hz, 5A ; 380W
Physical Dimension [D×W×H]	280×364×213mm
Weight	10kg
Certification	-
Advanced Features	Speed/RCF switch; Short-time running function; sound-alert function

Cat. No.	P/N	Descriptions	Power Supply
9063001126	DM1224	Hematocrit Centrifuge, with AC24 rotor kit (package contain in the box)	US plug, 110-120V/50Hz/60Hz Cn plug, 220-240V/50Hz/60Hz Euro plug, 220-240V/50Hz/60Hz UK plug, 220-240V/50Hz/60Hz

### Accessories

Cat. No.	P/N	Descriptions
19400046	AC24	Hematocrit rotor kit with a lid and a reading disk, 12,000rpm, 24 x capillary tubes, used with DM1424
19400013	A24-2P	Plastic rotor kit with lid (Blank LOGO), fixing clips and O'ring, 14,000rpm, 2ml/1.5ml*24, used with DM1424
19500001	A02P2	2ml to 0.2ml rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk
19500002	A05P2	2ml to 0.5ml rotor adapter, used with A12-2, A12-2P, AS24-2 and A24-2P rotors, 24pcs/pk



## KH30R/KH30RF

### Desktop Universal High-Speed Refrigerated Centrifuge



#### Key Features:

- Advanced system, excellent centrifugal effect**
  - 10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation
  - Jog function, short centrifugation, convenient for diversified centrifugation
  - Proprietary SCT speed control technology to achieve precise centrifugation
  - Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield
  - European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity
  - Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation
- High safety without hazard**
  - Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running
  - Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples
  - Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents
  - Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination
- Intuitive interface, good user experience**
  - LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed
  - Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled
  - Three-stage damping, low vibration and low noise
- Branded and durable parts**
  - High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality
  - Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO), corrosion resistance, prolonging the life of the whole machine
- Strong versatility with multiple functions**
  - It can not only centrifuge at high speed with angle rotor, but also centrifuge with large capacity with horizontal rotor, which is suitable for research and production in many fields.



#### Technical Parameters:

Model	KH30R	KH30RF
Max Speed	23,000r/min	
Max RCF	36,400×g	
Max Capacity	Angle Rotor: 600ml; Swing Rotor: 3,000ml;	
Speed Accuracy	±20r/min	
Temperature Range	-20℃~+40℃	
Temperature Accuracy	±1℃	
Time Range	1s-999min/999s	
Power Supply	AC 220V 50Hz 18A	
Noise Level	≤60dB	
Physical Dimension	670×750×440mm	760×630×920mm
Weight	110kg	150kg

#### Rotor

Rotor Type	Serial No.	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.3	6×0.5ml	23,000	36,400×g	Φ8×32
	No.6-1	12×1.5ml	21,000	31,300×g	Φ10×42
	No.6-2	18×0.5ml	21,000	31,300×g	Φ8×32
	No.9	24×1.5/2.0ml	17,000	28,750×g	Φ10×42
	No.12	10×5ml	18,000	23,540×g	Φ14×54
	No.16	12×10ml	18,000	32,600×g	Φ16×81
	No.22-1	6×50ml	15,000	25,400×g	Φ28×105
	No.22-2	6×30ml	15,000	25,400×g	Φ25×93.5
	No.31	4×100ml	12,000	17,700×g	Φ38×124
	No.52-1	8×15ml	13,000	20,300×g	Φ16×115
	No.52-2	8×50ml	13,000	20,300×g	Φ28×105
	No.56-1	48×1.5/2.0ml	13,000	14,740×g	Φ10×42
	No.56-2	4×8×0.2ml	13,000	14,740×g	8-Tube Strips
	No.56-3	8×8×0.2ml	13,000	14,740×g	8-Tube Strips
No.59	6×100ml	10,000	13,975×g	Φ38×124	
Microplate Rotor	No.43	2×2×96Holes	4,000	2,540×g	PCR/Micro plate
	No.63	4×50/100ml	5,500	5,640×g	Φ38×124
Swing Rotor	No.69-1	4×500ml	4,000	3,150×g	Φ80×140
	No.69-2	72×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.69-3	96×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.69-4	120×5ml	4,000	3,150×g	Blood Collection Tube
	No.70-1	4×250ml	4,000	2,930×g	Φ64×113
	No.70-2	48×5/7ml	4,000	2,930×g	Blood Collection Tube
	No.71-1	4×750ml	4,000	3,350×g	Φ99×130
	No.81-1	8×50/100ml	4,000	2,960×g	Φ38×124
	No.81-2	32×10/15ml	4,000	2,960×g	Φ16×85-118

## KH30R-II

### Desktop Universal High-Speed Refrigerated Centrifuge



#### Key Features:

- Advanced system, excellent centrifugal effect**
  - 10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation
  - Jog function, short centrifugation, convenient for diversified centrifugation
  - Proprietary SCT speed control technology to achieve precise centrifugation
  - Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield
  - European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity
  - Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation
- High safety without hazard**
  - Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running
  - Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples
  - Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents
  - Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination
- Intuitive interface, good user experience**
  - LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed
  - Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled
  - Three-stage damping, low vibration and low noise
- Branded and durable parts**
  - High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality
  - Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO),
  - Corrosion resistance, prolong the life of the whole machine
- Strong versatility with multiple functions**
  - It can not only centrifuge at high speed with angle rotor, but also centrifuge with large capacity with horizontal rotor, which is suitable for research and production in many fields.



#### Technical Parameters:

Model	KH30R-II
Max Speed	21,000r/min
Max RCF	31,300×g
Max Capacity	Angle Rotor: 600ml; Swing Rotor: 3,000ml
Speed Accuracy	±20r/min
Temperature Range	-20℃~+40℃
Temperature Accuracy	±1℃
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 18A
Noise Level	≤60dB
Physical Dimension	670×750×440mm
Weight	110kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5ml	21,000	31,300×g	Φ10×42
	No.6-2	18×0.5ml	21,000	31,300×g	Φ8×32
	No.9	24×1.5/2.0ml	16,000	25,470×g	Φ10×42
	No.12	10×5ml	16,000	18,600×g	Φ14×54
	No.16	12×10ml	16,000	25,750×g	Φ16×81
	No.22-1	6×50ml	14,000	22,130×g	Φ28×105
	No.31	4×100ml	12,000	17,700×g	Φ38×124
	No.52-1	8×15ml	13,000	20,300×g	Φ16×115
	No.56-1	48×1.5/2.0ml	13,000	14,740×g	Φ10×42
	No.56-2	4×8×0.2ml	13,000	14,740×g	8-Tube Strips
Microplate Rotor	No.59	6×100ml	10,000	13,975×g	Φ38×124
	No.43	2×2×96Holes	4,000	2,540×g	PCR/Micro plate
Swing Rotor	No.63	4×50/100ml	5,500	5,640×g	Φ38×124
	No.69-1	4×500ml	4,000	3,150×g	Φ80×140
	No.69-2	72×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.69-3	96×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.69-4	120×5ml	4,000	3,150×g	Blood Collection Tube
	No.70-1	4×250ml	4,000	2,930×g	Φ64×113

## KH20R-II

### Desktop Universal High-Speed Refrigerated Centrifuge



#### Key Features:

- Advanced system, excellent centrifugal effect**
  - 10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation
  - Jog function, short centrifugation, convenient for diversified centrifugation
  - Proprietary SBT speed control technology to achieve precise centrifugation
  - Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield
  - European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity
  - Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation
- High safety without hazard**
  - Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running
  - Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples
  - Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents
  - Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination
- Intuitive interface, good user experience**
  - LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed
  - Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled
  - Three-stage damping, low vibration and low noise
- Branded and durable parts**
  - High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality
  - Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO),
  - Corrosion resistance, prolong the life of the whole machine
- Strong versatility with multiple functions**
  - It can not only centrifuge at high speed with angle rotor, but also centrifuge with large capacity with horizontal rotor, which is suitable for research and production in many fields.



#### Technical Parameters:

Model	KH20R-II
Max Speed	18,600r/min
Max RCF	24,560×g
Max Capacity	Angle Rotor: 400ml Swing Rotor: 1,000ml
Speed Accuracy	±20r/min
Temperature Range	-20℃~+40℃
Temperature Accuracy	±1℃
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 18A
Noise Level	≤60dB
Physical Dimension	670×705×440mm
Weight	110kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5ml	18,600	24,560×g	Φ10×42
	No.6-2	18×0.5ml	18,600	24,560×g	Φ8×32
	No.9	24×1.5 /2.0ml	15,000	22,385×g	Φ10×42
	No.12	10×5ml	16,000	18,600×g	Φ14×54
	No.16	12×10ml	14,000	19,700×g	Φ16×81
	No.22-1	6×50ml	13,000	19,080×g	Φ28×105
	No.31	4×100ml	10,000	12,290×g	Φ38×124
	No.52-1	8×15ml	12,000	16,740×g	Φ16×115
	No.56-1	48×1.5/2.0ml	13,000	14,740×g	Φ10×42
	No.56-2	4×8×0.2ml	13,000	14,740×g	8-Tube Strips
Microplate Rotor	No.43	2×2×96Holes	4,000	2,540×g	PCR/Microplate
	No.63	4×50/100ml	5,500	5,640×g	Φ38×124
	No.70-1	4×250ml	4,000	2,930×g	Φ64×113
	No.70-2	48×5/7ml	4,000	2,930×g	Blood Collection Tube
	No.81-1	8×50/100ml	4,000	2,960×g	Φ38×124
Swing Rotor	No.81-2	32×10/15ml	4,000	2,960×g	Φ16×85-118

## KH20R

### Desktop High-Speed Refrigerated Centrifuge



#### Key Features:

- Advanced system, excellent centrifugal effect**
  - 10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation
  - Jog function, short centrifugation, convenient for diversified centrifugation
  - Proprietary SCT speed control technology to achieve precise centrifugation
  - Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield
  - European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity
  - Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation
- High safety without hazard**
  - Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running
  - Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples
  - Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents
  - Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination
- Intuitive interface, good user experience**
  - LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed
  - Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled
  - Three-stage damping, low vibration and low noise
- Branded and durable parts**
  - High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality
  - Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO),
  - Corrosion resistance, prolong the life of the whole machine



#### Technical Parameters:

Model	KH20R
Max Speed	16,600r/min
Max RCF	19,560×g
Max Capacity	400ml
Speed Accuracy	±20r/min
Temperature Range	-20℃~+40℃
Temperature Accuracy	±1℃
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 18A
Noise Level	≤60dB
Physical Dimension	630×585×380mm
Weight	90kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5/2.0ml	16,600	19,560	Φ10×42
	No.6-2	18×0.5ml	16,600	19,560	Φ8×32
	No.9	24×1.5/2.0ml	13,000	16,810	Φ10×42
	No.12	10×5ml	13,000	12,280	Φ14×54
	No.16	12×10ml	12,000	14,480	Φ16×81
	No.22-1	6×50ml	12,000	16,260	Φ28×105
	No.31	4×100ml	10,000	12,290	Φ38×124
	No.52-1	8×15ml	12,000	16,740	Φ16×115
	No.56-1	48×1.5/2.0ml	13,000	14,740	Φ10×42
	No.56-2	4×8×0.2ml	13,000	14,740	8-Tube Strips
Microplate Rotor	No.44	2×48Holes	3,000	1,170	Microtiter Plate

## KH23A

### Desktop Universal High-Speed Centrifuge



#### Key Features:

- **Advanced system, excellent centrifugal effect**

10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation  
 Jog function, short centrifugation, convenient for diversified centrifugation  
 Proprietary SCT speed control technology to achieve precise centrifugation  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield  
 European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation

- **High safety without hazard**

Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running  
 Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents  
 Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination

- **Intuitive interface, good user experience**

LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed  
 Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled  
 Three-stage damping, low vibration and low noise

- **Branded and durable parts**

High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality  
 Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO),  
 Corrosion resistance, prolong the life of the whole machine

- **Strong versatility with multiple functions**

It can not only centrifuge at high speed with angle rotor, but also centrifuge with large capacity with horizontal rotor, which is suitable for research and production in many fields.



#### Technical Parameters:

Model	KH23A
Max Speed	20,500r/min
Max RCF	29,600×g
Max Capacity	2,000ml
Speed Accuracy	±20r/min
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 18A
Noise Level	≤60dB
Physical Dimension	570×480×400mm
Weight	68kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5ml	20,500	29,600×g	Φ10×42
	No.6-2	18×0.5ml	20,500	29,600×g	Φ8×32
	No.9	24×1.5 /2.0ml	16,000	25,470×g	Φ10×42
	No.12	10×5ml	16,000	18,600×g	Φ14×54
	No.16	12×10ml	15,000	22,640×g	Φ16×81
	No.22-1	6×50ml	13,000	19,080×g	Φ28×105
	No.31	4×100ml	10,000	12,290×g	Φ38×124
	No.52-1	8×15ml	12,000	16,740×g	Φ16×115
	No.56-1	48×1.5/2.0ml	13,000	14,740×g	Φ10×42
	No.56-2	4×8×0.2ml	13,000	14,740×g	8-Tube Strips
Microplate Rotor	No.43	2×2×96Holes	4,000	2,540×g	PCR/Microplate
	No.63	4×50/100ml	5,000	4,660×g	Φ38×124
Swing Rotor	No.69-1	4×500ml	4,000	3,150×g	Φ80×140
	No.69-2	72×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.69-3	96×5/7ml	4,000	3,150×g	Blood Collection Tube
	No.70-1	4×250ml	4,000	2,930×g	Φ64×113
	No.70-2	48×5/7ml	4,000	2,930×g	Blood Collection Tube
	No.81-1	8×50/100ml	4,000	2,960×g	Φ28×124
	No.81-2	32×10/15ml	4,000	2,960×g	Φ16×85-118



## KH19A

### Desktop High-Speed Centrifuge



#### Key Features :

- Advanced system, excellent centrifugal effect**  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield.  
 European compressor, proprietary temperature control technology and high temperature control accuracy to ensure sample activity.  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation.
- High safety without hazard**  
 Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples.  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents.

- Intuitive interface, good user experience**

LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed  
 Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled  
 Three-stage damping, low vibration and low noise

- Branded and durable parts**

Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO),  
 Corrosion resistance, prolong the life of the whole machine

#### Technical Parameters :

Model	KH19A
Max Speed	16,600r/min
Max RCF	19,560×g
Max Capacity	400ml
Speed Accuracy	±20r/min
Time Range	0-999min/999s
Power Supply	AC 220V 50Hz 15A
Noise Level	≤60dB
Physical Dimension	440×350×320mm
Weight	30kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.6-1	12×1.5/2.0ml	16,600/18,600	19,560/24,560	Φ10×42
	No.6-2	18×0.5ml	16,600/18,600	19,560/24,560	Φ8×32
	No.9	24×1.5/2.0ml	13,000/15,000	16,810/22,380	Φ10×42
	No.12	10×5ml	13,000	12,280	Φ14×54
	No.16	12×10ml	12,000	14,480	Φ16×81
	No.56-1	48×1.5/2.0ml	13,000	14,740	Φ10×42
	No.22-1	6×50ml	12,000	16,260	Φ28×105
	No.52-1	8×15ml	12,000	16,740	Φ16×115
	No.31	4×100ml	10,000	12,290	Φ38×124
	Microplate Rotor	No.44	2×48 Holes	3,000	1,170

## KL04A

### Desktop Low-Speed High-Performance Centrifuge



#### Key Features :

- Advanced system, excellent centrifugal effect**  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation.  
 Jog function, short centrifugation, convenient for diversified centrifugation.  
 Proprietary SCT speed control technology to achieve precise centrifugation.
- High safety without hazard**  
 Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running.  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents  
 Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination.

- Intuitive interface, good user experience**

Can be displayed with one-key setting, easy to operate  
 Can be started with RCF directly, 40 custom working modes can be directly recalled  
 Three-stage damping, low vibration and low noise

- Branded and durable parts**

High torque brushless inverter motor and European ultra-high-speed bearings adopted to ensure high quality.  
 Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO).

#### Technical Parameters :

Model	KL04A
Max Speed	5,000r/min
Max RCF	4,660×g
Max Capacity	800ml
Speed Accuracy	±20r/min
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 15A
Noise Level	≤60dB
Physical Dimension	560×460×390mm
Weight	54kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Swing Rotor	No.63	4×50/100ml	5,000	4,660	Φ38×124
	No.70-2	48×5/7ml	4,000	2,930	Vacuum Blood Collection Tube
	No.81-1	32×10/15ml	4,000	2,960	Φ16×114-118
	No.81-2	8×50/100ml	4,000	2,960	Φ28×105-115
	No.81-3	24×10/15ml	4,000	2,960	Φ16×114-118
Microplate Rotor	No.43	2×2×96 Holes	4,000	2,540	PCR/Microtiter Plate Rotor

## KL05A/KL05R

### Desktop Low-Speed High-Performance (Refrigerated) Centrifuge



KL05A



KL05R

#### Key Features:

- Advanced system, excellent centrifugal effect

10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation  
 Jog function, short centrifugation, convenient for diversified centrifugation  
 Proprietary SCT speed control technology to achieve precise centrifugation  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation

- High safety without hazard

Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running  
 Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents  
 Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination

- Intuitive interface, good user experience

LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed  
 Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled  
 Three-stage damping, low vibration and low noise

- Branded and durable parts

Aviation damping rubber, super hard aluminum alloy from Aluminum Corporation of China Limited (CHALCO), prolong the life of the whole machine



#### Technical Parameters:

Model	KL05A	KL05R
Max Speed	6,000r/min	6,000r/min
Max RCF	5,640×g	5,640×g
Max Capacity	2,000ml	3,000ml
Speed Accuracy	±20r/min	±20r/min
Temperature Range	/	-20℃~+40℃
Temperature Accuracy	/	±1℃
Time Range	1s-999min/999s	1s-999min/999s
Power Supply	AC 220V 50Hz 15A	AC 220V 50Hz 18A
Noise Level	≤60dB	≤60dB
Physical Dimension	560×460×390mm	670×750×440mm
Weight	58kg	110kg

#### Rotor

Rotor Type	Serial No.	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No. 37	12×10/15ml	6,000	5,120	Φ16×114-118
Microplate Rotor	No.43	2×2×96 Holes	4,000	2,540	PCR/Microtiter Plate
	No.63	4×50/100ml	5,500	5,640	Φ38×124
Swing Rotor	No.69-1	4×500ml Adapter 12×50/32×15ml	4,000	3,150	Φ80×140
	No.69-2	72×5/7ml	4,000	3,150	Vacuum Blood Collection Tube
	No.69-3	96×5/7ml	4,000	3,150	Vacuum Blood Collection Tube
	No.70-1	4×250ml Adapter 4×50/4×15ml	4,000	2,930	Φ64×112
	No.70-2	48×5/7ml	4,000	2,930	Vacuum Blood Collection Tube
	No.71-1	4×750ml Adapter 28×50/36×15ml	4,000	3,350	Φ99×128
	No.81-1	32×10/15ml	4,000	2,960	Φ16×85-118
	No.81-2	8×50/100ml	4,000	2,960	Φ28×105-115
	No.81-3	24×10/15ml	4,000	2,960	Φ16×85-118

## KL05RF Low-Speed Refrigerated Centrifuge



### Key Features:

- Advanced system, excellent centrifugal effect**  
 10 kinds of accel/decel options, self-defining centrifugal parameters to realize the most optimized centrifugation  
 Jog function, short centrifugation, convenient for diversified centrifugation  
 Proprietary SCT speed control technology to achieve precise centrifugation  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation
- High safety without hazard**  
 Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running  
 Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents  
 Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination
- Intuitive interface, good user experience**  
 LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed  
 Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled  
 Three-stage damping, low vibration and low noise
- Branded and durable parts**  
 Aviation damping rubber, super hard aluminum alloy from Aluminum Corporation of China Limited (CHALCO), prolong the life of the whole machine



### Technical Parameters:

Model	KL05RF
Max Speed	6,000r/min
Max RCF	5,640×g
Max Capacity	3,000ml
Speed Accuracy	±20r/min
Temperature Range	-20℃~+40℃
Temperature Accuracy	±1℃
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 20A
Noise Level	≤60dB
Physical Dimension	760×630×920mm
Weight	190kg

### Rotor

Rotor Type	Serial No.	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Angle Rotor	No.37	12×10/15ml	6,000	5,120	Φ16×114-118
Microplate Rotor	No.43	2×2×96 Holes	4,000	2,540	PCR/Microtiter Plate
	No.63	4×50/100ml	5,500	5,640	Φ38×124
	No.69-1	4×500ml Adapter 12×50/32×15ml	4,000	3,150	Φ80×140
Swing Rotor	No.69-2	72×5/7ml	4,000	3,150	Vacuum Blood Collection Tube
	No.69-3	96×5/7ml	4,000	3,150	Vacuum Blood Collection Tube
	No.69-4	120×5ml	4,000	3,150	Vacuum Blood Collection Tube
	No.70-1	4×250ml Adapter 4×50/4×15ml	4,000	2,930	Φ64×112
	No.70-2	48×5/7ml	4,000	2,930	Vacuum Blood Collection Tube
	No.71-1	4×750ml Adapter 28×50/36×15ml	4,000	3,350	Φ99×128
	No.81-1	32×10/15ml	4,000	2,960	Φ16×85-118
	No.81-2	8×50/100ml	4,000	2,960	Φ28×105-115
	No.97	6×500ml	4,000	3,870	Φ80×140

## KL01A

### Multipurpose Centrifuge for Blood Group Serum



#### Key Features :

- Advanced system, excellent centrifugal effect**  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield.  
 Widely used in blood serology, routine blood group testing, red blood cell washing and microcolumn gel immunoassay experiments, etc..  
 Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation.
- High safety without hazard**  
 Protection for over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of human body, machine and samples.  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents.  
 Unique airflow-oriented air-cooling design and low temperature rise to maintain sample activity.

- Intuitive interface, good user experience**

Digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and other parameters are independently displayed with one-key setting, easy to operate. Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled. Three-stage damping, low vibration and low noise.

- Branded and durable parts**

Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO). Corrosion resistance, prolonging the life of the whole machine.

#### Technical Parameters :

Model	KL01A
Max Speed	4,000r/min
Max RCF	2,180×g
Max Capacity	120ml
Speed Accuracy	±20r/min
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 10A
Noise Level	≤60dB
Physical Dimension	350×420×270mm
Weight	18kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Specialized Rotor	No.39	12×10ml	4,000 r/min	2,180×g	Φ16×81
	No.41	12×7ml	4,000 r/min	1,690×g	SERO Rotor
	No.86	12×(0.25-1)ml	4,000 r/min	1,740×g	Gel Card

## KL02A

### Desktop Low-Speed High-Performance Centrifuge



#### Key Features :

- Advanced system, excellent centrifugal effect**  
 Jog function, short centrifugation, convenient for diversified centrifugation.  
 Proprietary SCT speed control technology to achieve precise centrifugation.  
 Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield.
- High safety without hazard**  
 Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running.  
 Protection for over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples.  
 Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents.

- Intuitive interface, good user experience**

Program group, Accel/Decel, RPM/RCF, time and other parameters are independently displayed with one-key setting, easy to operate. Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled. Three-stage damping, low vibration and low noise.

- Branded and durable parts**

Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO). Corrosion resistance, prolonging the life of the whole machine.

#### Technical Parameters :

Model	KL04A
Max Speed	4,000r/min
Max RCF	2,280×g
Max Capacity	12×10ml 12×15ml ; 18×10ml 24×10ml
Speed Accuracy	±20r/min
Time Range	1s-999min/999s
Power Supply	AC 220V 50Hz 10A
Noise Level	≤60dB
Physical Dimension	350×420×270mm
Weight	18kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Swing Rotor	No.63	4×50/100ml	5,000	4,660	Φ38×124
	No.70-2	48×5/7ml	4,000	2,930	Vacuum Blood Collection Tube
	No.81-1	32×10/15ml	4,000	2,960	Φ16×114-118
	No.81-2	8×50/100ml	4,000	2,960	Φ28×105-115
	No.81-3	24×10/15ml	4,000	2,960	Φ16×114-118
Microplate Rotor	No.43	2×2×96Holes	4,000	2,540	PCR/Microtiter Plate Rotor

## KL03RH

### Desktop Low-Speed Temperature Control Centrifuge



#### Key Features:

- Advanced system, excellent centrifugal effect

Proprietary SBT soft brake technology reduces resuspension and facilitates sampling, ensuring maximum sample yield. At 4°C and 37°C, the temperature deviation is ±1°C at rest, and the temperature control is more accurate. It is mainly used for gentle centrifugation of sperm and centrifugation of temperature-sensitive human cell.

Fixed-speed timing, centrifugation time can be freely selected in minutes or seconds to achieve fine centrifugation.

Proprietary SCT speed control technology to achieve precise centrifugation.

- High safety without hazard

Protection for over-temperature, over-speed, cover and imbalance, etc., sound and light alarm prompts to ensure the safety of man, machine and samples.

Steel body, stainless steel centrifugal cavity, steel sheath to prevent accidents.

Optional biosafety rotor that can be sterilized by high temperature and high pressure to prevent biological contamination.

Automatic rotor identification system without need to worry about selecting the wrong rotor number to prevent overspeed running.

- Intuitive interface, good user experience

LCD, digital multi-screen display, program group, Accel/Decel, RPM/RCF, time and temperature and other parameters are independently displayed with one-key setting.

Microprocessor control, automatic memory of operating parameters, can be started with RCF directly, 40 custom working modes can be directly recalled, reducing repeated operations.

Three-stage damping, low vibration and low noise.

- Branded and durable parts

High torque brushless inverter motor, European ultra-high-speed bearings, European fluorine-free compressor, to ensure high quality.

Aviation damping rubber, super hard aluminum alloy rotor with thick film hard oxidation from Aluminum Corporation of China Limited (CHALCO).

Corrosion resistance, prolong the life of the whole machine.



#### Technical Parameters:

Model	KL03RH
Max Speed	5,000r/min
Max RCF	4,660×g
Max Capacity	800ml
Speed Accuracy	±20r/min
Temperature Range	-20°C~+40°C
Temperature Accuracy	±1°C
Time Range	1s-999min/999sec
Power Supply	AC 220V 50Hz 18A
Noise Level	≤60dB
Physical Dimension	670×750×440mm
Weight	90kg

#### Rotor

Rotor Type	Number	Capacity	Max Speed (r/min)	Max RCF(×g)	Dimension of tube (mm)
Swing Rotor	No.63	4×50/100ml	5,000	4,660	Φ38×124
	No.70-2	48×5/7ml	4,000	2,930	Vacuum Blood Collection Tube
	No.81-2	8×50/100ml	4,000	2,960	Φ28×105-115
Angle Rotor	No.81-3	24×10/15ml	4,000	2,960	Φ16×114-118
	No.9	24×1.5/2.0ml	5,000	2,480	Φ10×42
Microplate Rotor	No.43	2×2×96 Holes	4,000	2,540	PCR/Microtiter Plate Rotor