

Centrifuge



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Micro Pocket Centrifuge

The mini palm centrifuge has a novel and unique appearance, smart and versatile, equipped with a variety of centrifugal rotors and a variety of test tube sets, suitable for 2.0ml, 1.5ml, 0.5ml, 0.2ml centrifuge tubes and 8x4x0.2ml PCR tubes, widely used in chemical and pharmaceutical industries, Food and other industries.

Product features

- Convenient and efficient variety of rotor, compatible with 2.0 mL, 0.4, 1.5ml, 0.5ml, 0.2ml centrifuge tube;
- Using high-frequency wide-voltage power supply technology, the input voltage range is 100~240V, ensuring operation;
- Unique rotor buckle design, easy to replace the rotor;
- Low noise, stable operation, durable dc motor, safe and reliable;
- Humanized design, semi-automatic cover opening function, cover opening time automatic stop time within 3 seconds;
- The fully transparent spherical upper cover and multi-rotor requirement achieve the best results in the pursuit of creativity and simplicity, and inject humanity into scientific research and rational laboratory products.



HL-4K
(Normal)



HL-4KS/HL-6KS/HL-8KS/HL-11KS
(Digital)

Technical parameters

Model	HL-4K	HL-4KS	HL-6KS	HL-8KS	HL-11KS
Item No	1010001002	1010005002	1010006002	1010011001	1010012001
Rotating speed (rpm)	4000	4000	6000	8000	11000
Relative centrifugal force (xg)	940	940	2100	3700	7100
Weight (kg)	1.6	2	2.1	2.2	2.1
Reduce the time	Open the lid within 15 seconds		Open the lid within 3 seconds		
Operation hours	Continuous		Continuous or timing 1~99min		
Open	Semi-automatic				
Open cover system protection	Double brake insurance				
Acceleration time	Reach 90% of rated speed in 5 seconds				
Rotor	8x 1.5/2.0 mL angle rotor 8x4 x 0.2mL PCR tube				
Motor	DC motor				
Input power	AC100-240V/50Hz/60Hz				
Noise (dB)	≤45				
External dimension (mm)	240*190*195				

Application field



Centrifugal Separation



1 With brake function, it is safer and saves time.

2 Semi-automatic lid opening is more convenient and comfortable.

3 Zinc alloy base is stable, not easy to deformation, durable, stable, hardness and strength than plastic base. More safety!

4 Double limit control and double insurance. With timing, ensure full sample.

5 Unique lock design makes it safer to be away from the center and prevent flying accidents.

6 The rotor and centrifugal cover are made of high strength plastic with good quality, long life long and good rotor balance.

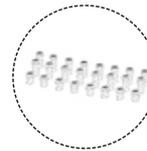
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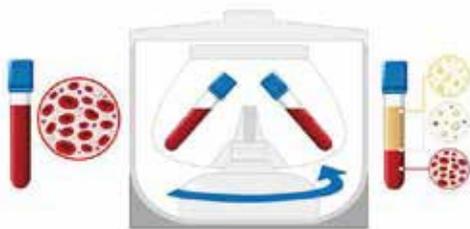
【Angle rotor】
Centrifugal tubes of 2ml, 1.5ml,



【PCR rotor】
8*4* 0.2mL centrifuge tube or 4*0.2ml Eight horizontal tubes



【Angle rotor adapter】
Can place 0.2ml, 0.4ml, 0.5ml, centrifuge tubes:



Centrifugation of blood

plasma (55%)
white blood cells & ets (4%)
red blood cells (41%)

Centrifugal effect



Sampling with Pipettes (serum)



Sample before centrifugation



Sample after centrifugation

Microplate Centrifuge

The HL-25W microplate centrifuge is an instant centrifuge specially designed for micro plates, which is convenient for separating the wall-hanging liquid. It is suitable for 96-well or 384 and small-capacity micro plates, as well as for various standard PCR microplates with and without skirts.

Product features

- Simple and easy-to-use man-machine operation interface, real-time display of all operating information and setting information, convenient for users to observe the operating status of the equipment;
- Brush less DC motor, low noise, little interference, maintenance free;
- Support automatic shutdown function when opening the lid;
- Support touching running function;
- The acceleration is fast, from a complete standstill to the highest speed in only 10 seconds;
- The braking time is short, from the highest speed to a complete standstill in only 4 seconds.



HL-25W

Technical parameters

Model	HL-25W
Item No	1010010001
Speed setting range (rpm)	2200~2800
Time setting	15 seconds to 1 minute 59 seconds
Maximum relative centrifugal force (g)	550
Acceleration time (s)	≤10 (0 to 2800rpm)
Braking time (s)	≤4 (2800 to 0rpm)
Open downtime	Support
Short run	Support
Capacity	2 standard PCR microplates
Input power (w)	45
Voltage	AC110V~240V 50/60 Hz
Fuse	250V/3A Φ5×20
External dimension (mm)	260x240x226
Weight (kg)	3.3kg

Installation of microplate:

1. First, make sure that the instrument is placed on a horizontal workbench, press the lid button to open the lid.
2. Put 2 microplates into the centrifuge tank vertically (as shown in Figure 1)
3. After installing the microplate, make sure the direction of the microplate is correct (Figure 2)



Figure 1



Figure 2

Note 1: If there is only one sample plate when using this instrument, you need to take another sample plate of the same specification, add the same weight of solution (water can be used), seal it, and put it into the second tank to ensure that the two tanks are balanced .

Note 2: If the load weight on both sides of the rotor is different, it will make the equipment shaking and damage.

Micro high-speed centrifuge

The miniature high-speed centrifuge has a simple and compact appearance, and the maximum speed can reach 15000rpm. The specially processed low-noise design creates a quiet and comfortable experimental environment for you. Simple operation, digital display, sensitive and efficient speed control, easy-to-use operation keys, Short-term centrifugal keys, Rpm and Rcf conversion functions make you comfortable in various experimental stages.

Product features

- Maximum capacity: 12x2.0mL centrifuge tube;
- Standard includes 0.5ml, 0.2ml, 1.5ml test tube adapter;
- The rotor is made of nylon, which ensures the strength and has the characteristics of corrosion resistance and low temperature rise;
- Two operating modes: speed and relative centrifugal force;
- With dynamic balance detection and shutdown functions;
- With motor over temperature protection function;
- Short running function;
- Use DC brush less maintenance-free high speed motor.



HL-15KS

Technical parameters

Model	HL-15KS
Item No	1010013001
Maximum(rpm)	15000
Maximum centrifugal force (g)	15080
Sample capacity (ml)	12*2 or 1.5 centrifugal tube
Adapter (ml)	Standard 0.5 and 0.2, 1.5 test tubes
Timing Settings	15S-99min59S/∞
Acceleration time (S)	14 (0~15000rpm)
Deceleration time Max (S)	14(15000 to 1000 rpm)
Rotor temperature Max (°C)	5 (RT25°C, 15000rpm/30min)
Detection function	Automatic imbalance testing
Protection function	Over temperature protection
Input power (w)	120
Input voltage	DC24V/5A
External dimension (mm)	255*194*140
Ambient temperature (°C)	0~35
Relative humidity (%)	≤70
Use power (V)	110~220
Gross weight (kg)	4
Net weight (kg)	3.5



1. When the test sample is not placed in a balanced state, the machine stops running.
2. After the rotation of the rotor stops smoothly, the cover automatically open, which is convenient and fast.