



## Mini Centrifuge Mini-7KS

### Manual



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## **General Information**

Thank you for purchasing our Product.

This Manual for users contains function and operation of the Instrument. In order to use the instrument properly, please read this manual carefully before operation.

Please check the instrument and accessories with the packing list at the first time you open the instrument packing case.

## Packing List

No.	Item	Model/Type	Quantity	Confirm
1	Main Device	Mini-7KS	1	
2	Allen Wrench		1	
3	Fuse		2	
4	QC PASS Card		1	
5	Manual		1	
QC:		Date:		

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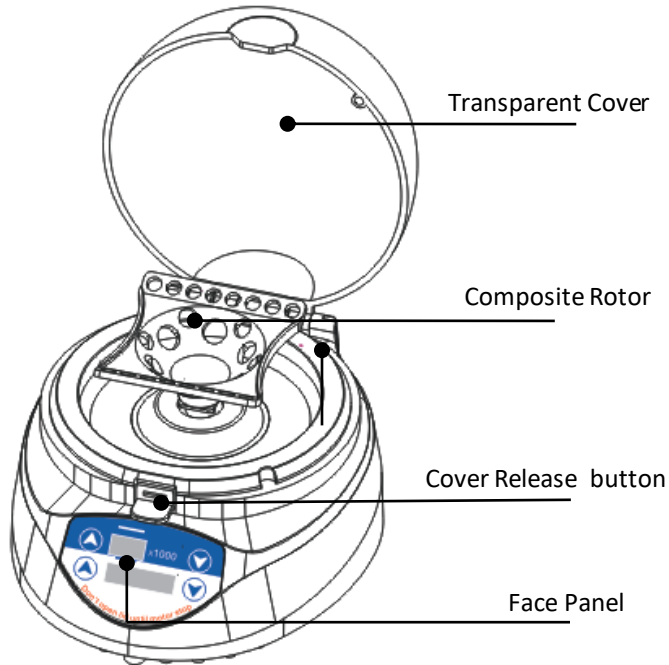
# Combination Rotors Centrifuge

## 1. Product Introduce

Centrifuge-7KS is a micro centrifuge with Composite Rotor, users can complete different experiments without replacing the rotor to save the time. The centrifuge can open the transparent cover to suspend operation, close the cover and continue to run in the original time, and has electronic timing function. It is designed with "three in one" composite rotor, which is suitable for

- 6x1.5/2.0ml centrifuge tube
- 6x0.5ml centrifuge tube
- 2x8x0.2ml PCR tube strip
- 16x0.2ml centrifuge tube

### 1.1 Structure Description



## Performance Test

Item	Mini Centrifuge		Model	Mini-7KS
Date			Serial No.	
No.	Content	Methods	Standards	Results
1	Speed	Tachometer	4000/6000/ 7000±500rpm	<input type="checkbox"/> Qualified
2	Basic Function	Visual check	Valid	<input type="checkbox"/> Qualified
3	Appearance	Visual check	Pass	<input type="checkbox"/> Qualified
4	Label	Visual check	Pass	<input type="checkbox"/> Qualified
5	Continuous Running Test	Visual check	30min without problem	<input type="checkbox"/> Qualified
Result				
Remarks:				
QC:				Confirmer:

## 6. Troubles and Shootings

Troubles	Causes	Shootings
The rotor doesn't work when it powers on	1. No power	Check the power, switch and power cord
	2. The cover not closed	Close the cover again
	3. Fuse burned	Exchange fuse/ Contact to the seller
High noise, abnormal noise and strong vibration	1. The instrument not placed horizontally	Place the instrument is horizontally
	2. The rotor not properly installed	Installed the rotor properly
	3. Tubes not symmetrically distributed	Distribute tubes symmetrically
	4. Broken rotor	Exchange the new rotor
	5. Different type tubes	Use the same type tubes
	6. Broken rotor cover	Attention to maintenance

## 2. The Parameters

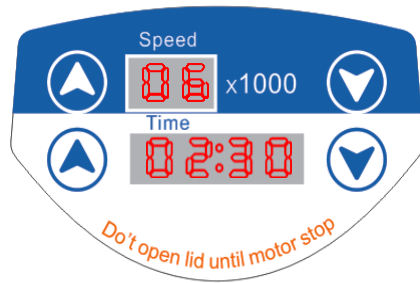
Model	Mini-7KS
Speed	4000rpm,6000rpm&7000rpm
Max. RCF	960g (4000rpm) 2000g (6000rpm) 2900g (7000rpm)
Capacity	6×1.5ml/2.0ml centrifuge tube 6×0.5ml centrifuge tube 2×8×0.2ml PCR Tube Strips 16×0.2ml centrifuge tube
Timer	1s~99m59s
Working Noise	≤45 dB
Dimension	160×176×135 (mm)
Weight	≤1.6kg
Voltage	AC100~110V/220~240V 50~60HZ

### 3. Safety Instruction

- 1) Don't run instrument without rotor.
- 2) Only add stuff into tubes before loading into rotor.
- 3) Don't remove instrument during working.
- 4) Place instrument on a flat and firm benchtop.

## 4 Operation Guide

### 4.1 Face Panel and buttons





### 4.2 Functions of buttons



Press the up and down key to set the speed and the time and press for longer to increase setting value. The adjustable speed is 4000/6000/7000 rpm and the max. time is 99:59.

### 4.3. Time and Speed

- 1) Once Instrument turned on, the Instrument goes into the initial status with the sound of "de..."
- 2) About 1s later, the figure 06 is speed 6000rpm; 02:30 in the time display is the last set time.
- 3)  Press up and down key to set speed
- 4)  Press up and down key to set timer
- 5) When 00:00 is displayed, the time is unlimited.

### 4.4 Operation and Stop

1. Before turning on the power switch, check up the switch position, make it at "0", then connect instrument to power supply.
2. Turn on instrument, it will start initiate with alarm "de..." , open the lid, and load tubes into rotor. Set time according to steps 4.3, press down the lid to run the instrument. Rotor will stop once timer count down to 0. Only open the lid after the rotor stops by press down the lid button. If user needs to stop instrument during working, turn off the power switch.

#### Warning:

- 1) Do not open the lid before the rotor stops.
- 2) Centrifugal tubes should be placed symmetrically into rotor, every tube contains stuff less than 3.0g
- 3) Stop the instrument in case of abnormal noisy
- 4) Don't use multi tubes of 1.5ml、0.5ml、0.2ml in rotor 8×2ml.

## 5. Clean

Clean the instrument with a dry cloth and a non-corrosive cleaning solution with a pH of  $7 \pm 1$ . Do not immerse the instrument in a liquid or use a liquid to wet the instrument. Ensure that all parts of the instrument are completely dry before running.