



Model YR134-2
Microhematocrit Centrifuge

Instruction Manual

Thank you very much for purchasing our Model YR134-2 Microhematocrit Centrifuge.

Please read the "Operating Instructions" and "Warranty" before operating this unit to assure proper operation. After reading these documents, be sure to store them securely together with the "Warranty" at a hand place for future reference.



Warning: Before operating the unit, be sure to read carefully and fully understand important warnings in the operating instructions.



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Name and model

Microhematocrit Centrifuge YR134-2

Use

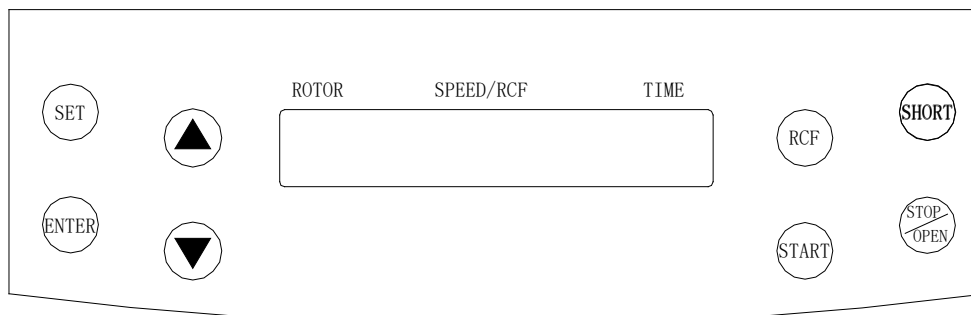
It's mainly applied to determine the ratio of the volume of red blood cells to the whole blood and separate the micro-blood from micro-solution. The model is widely used in clinic, biochemistry, immunology, etc.

Technical Specification

Max Speed	12000r/min
Max RCF	13500×g
Capacity of the rotor	24 pcs of capillaries
Timer Range	0-99 min
Power Supply	AC220V 50Hz/60Hz
Dimensions	330×420×275mm (L×W×H)
Weight	10kg

The Principle and Character of Products' Work

Table II



The Product has microcomputer controls, motor without brush and electric lock. It is installed with gate lid and over speed protection device. Concerning explanation of

key please refer to Table II.

Function of key

SET: Setup

ENTER: Ok

▲ : Increase

▼ : Decrease

RCF: Centrifugal force Input

SHORT: Instantaneous centrifugation (close the gate, press the key, the machine starts to centrifuge. It will stop with your release of SHORT key. It is mainly used in short-time centrifugation)

START: Start to run

STOP: Stop running & Door open

ROTOR: Number of Rotor

SPEED: This digital display window shall show two types of data, it shows the speed of motor in normal. If you press the **RCF** key, it will show the value of RCF. Press RCF key again, you will see the figure of speed.

TIME: Time input

Requirement of the instrument install

- 1、 The table shall be stability and solid.
- 2、 The power shall be three phase with separate Earth wire without creep age.
- 3、 The instrument shall be located at a place of non-disturb of magnetic field and caustic gas.

Operating principle

- 1、 **Plug in**
- 2、 **Switch on power**
- 3、 **Open the door lid:** press the OPEN key, at the same time, use the other hand to push down the lid with some efforts and then raise the lid with hands.

* If power is off or other causes lead to not open the lid, please pull the whiter line on the baseboard, the door will open.
- 4、 **Install the rotor:** Put rotor vertically on the spindle and tight the screw up.
- 5、 **Setup the Rotor Number, the speed, the RCF and Operating Time.**

Operating steps

a、 Setup the rotor No.:

Press “SET” → press “▲” or “▼”, the cursor shall be blinked in the digital displayer where under “ROTOR”. (Only one bit blinked) → chose No. 1 → press ENTER. (This step is not necessary)

b、 Setup the Speed:

Press “SET” → press “▲” or “▼”, the cursor shall be blinked in the digital displayer where under “SPEED/RCF” (five bits blinked) → set “10000” → press ENTER

c、 Setup time:

Press “SET” → press “▲” or “▼”, the cursor shall be blinked in the digital displayer where under “TIME” (Two bits blinked) → set “15” → press ENTER

At last the digital displayer shall be show as following:



10000	15
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d、 Setup RCF: Press “RCF”

Press “▲” or “▼” (chosed what you need) → press ENTER. If you need show the value of RCF when centrifuge is working, press the “RCF”, then press the “RCF”, the digital shall show the speed.

e、 SHORT.

If you need instantaneous centrifugation, press “SHORT”

f、 If press the “**START**”, Centrifuge shall be working. (If you need stop the Centrifuge when it is working, please press the “**STOP**”.) Centrifuge shall be auto stop working when program is over. When speed is zero, you can open the door and take out the sample, then switch off.

Notice

1. Centrifuge has electronic lock. If power is off when Centrifuge is working, or for other reasons, the door don't open, please pull the whiter line which is under the base plate, then door will be opened.
2. No moving the machine when it is working.
3. Don't open the lid in the process of running.
4. Clean the rotor and locate it in a drafty place, if it is used for a long time.
5. Please contact our company if the machine is in trouble.
6. Drive shaft should be coated with Albany grease or Vaseline, in order to avoid rust and easily take out the rotor.

Guarantee Certificate

The goods is guaranteed for 12 months from shipping date.



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