

## blood bank centrifuge for typing and antibody screening

Blood bank centrifuge can effectively complete the separation of blood samples, blood type identification and antibody screening, etc. It is widely used in hematology, immunology and the production of blood products.

### Blood Bank Centrifuge

The blood bank centrifuge is designed for efficient and precise separation of blood components in blood banks, clinical laboratories, and blood product production environments. With advanced safety and control features, it ensures reliable results and operational safety.

### Main Features

1. Compact design: small size, saving laboratory space, suitable for blood banks and clinical laboratories, can effectively improve the space utilization rate.
2. All-steel structure: adopts high-strength all-steel structure to ensure the solidity and durability of the equipment. The inner cavity is made of stainless steel, which is easy to clean and maintain, and ensures the corrosion resistance in long-term use.



3. LED digital display: clearly display the rotational speed and centrifugal force, with synchronized display function. Through the microcomputer control system, dynamic monitoring of the centrifugal process, real-time display of centrifugal force and speed, the user can easily switch between absolute centrifugal force and relative centrifugal force.
4. A variety of preset programs: provide a fixed centrifugation program, such as blood typing, cross-matching and so on. Users can also custom preset more than 5 groups of programs to meet the centrifugation needs of different samples.
5. Automatic balancing system: the centrifuge has an automatic balancing device, which can compensate for imbalance, and the compensation weight difference can be up to 5 grams. When the equipment is unbalanced, the system will automatically cut off the power to ensure the safety of use.
6. Safety protection design: built-in overheating protection device, motor overheating automatic shutdown. The door cover is equipped with a power-off device and automatic door buckle to ensure the safety of the equipment in use.
7. Fast start and precise brake: the centrifuge starts quickly and reaches the set speed within 7 seconds, and automatically brakes after the centrifugal time is over, and stops without oscillation within 7 seconds to ensure the accuracy of the separation effect.
8. Temperature control design: optimized air duct design, temperature rise of no more than 5 °C, effectively control the heat generated during centrifugation, to ensure that the sample is not affected by temperature fluctuations.

9. Leveling function: equipped with a special leveling device, the four corners have an adjustable function to ensure that the equipment is placed in a stable horizontal position, further improving centrifugal accuracy and equipment life.
10. Rotational speed 4000rpm, capacity 18×10ml.

### **Working Principle**

1. Blood Bank Centrifuge precisely sets rotational speed, centrifugal force and centrifugal time through the microcomputer control system, and utilizes centrifugal force generated by high-speed rotation to separate the components in blood.
2. It is easy to operate and provides real-time feedback of operation data through the LED display.
3. The centrifuge completes the separation of blood samples according to the centrifugation program set by the user.
4. The equipment is also equipped with a variety of safety functions, such as automatic balancing, overheating protection, centrifugal imbalance protection, etc., to ensure safe operation under any circumstances, and to avoid affecting the experimental results due to sample imbalance or equipment failure.

<b>Model</b>	<b>CS70</b>
Maximum speed	4000rpm
Maximum RCF	2250xg
maximum capacity	18x10ml
Rotation Speed Accuracy	±10rpm
Timer	1 minute to 99 minutes
Centrifugal chamber diameter	280mm
Noise	≤62dB
Power supply	230Vac, 50Hz, 10A
Power	100W
Overall dimensions	385x320x270mm
Net weight	15kg