

## immunoematology centrifuge with HLA and SERO rotors

Immunoematology centrifuge is the core experimental tool in the field of immunology, hematology and cell research, providing reliable guarantee for accurate blood separation, antibody detection and immunity analysis.

### Immunoematology Centrifuge

The immunoematology centrifuge is designed for efficient separation and washing of red blood cells, lymphocytes, and other small volume blood samples, supporting a broad range of immunology, hematology, and clinical research applications.

### Main Features

1. Speed 4500rpm, capacity 0.25ml×12 tubes to 1ml×12 tubes, suitable for a variety of small volume samples centrifugation needs.
2. Equipped with special red blood cell washing, SERO rotor and lymphocyte washing/HLA rotor, the rotor is easy to change to meet different experimental requirements.
3. Microcomputer control system and brushless DC motor drive, to ensure the provision of efficient torque, and maintenance-free, no carbon powder pollution, to extend the service life of the equipment.



4. Touch panel and liquid crystal display, the operation interface is simple and intuitive, real-time display of centrifugal state, enhance the convenience of operation.
5. The whole machine mold molding, beautiful appearance, easy to clean and maintain.
6. Special shock absorber and automatic balance function, reduce the vibration generated during centrifugation, ensure stable operation of the equipment, provide more accurate experimental data.
7. Countdown display, when the remaining time is less than 1 minute is displayed in seconds to remind the operator in time.
8. Electronic door lock design, to ensure that the centrifuge can not be started when the door cover is not closed, to ensure safety. Humanized design, gently press the door cover can be automatically locked, easy to use.

### **Working Principle**

1. Immunohematology centrifuge accurately adjusts the rotational speed and centrifugation time through the microcomputer control system, and adopts brushless DC motor drive to provide stable torque.
2. Through the set program of red blood cell washing and lymphocyte washing, the centrifuge can separate each component of blood efficiently.
3. The rotor design and vibration damping system ensure the stability of the sample during the separation process and the separation effect.
4. The electronic door lock of the immunohematology centrifuge ensures safe operation and avoids misuse or accidents.

## Application Areas

1. Immunology research: mainly used for cleaning red blood cells and lymphocytes in blood, widely used in immunology research and testing, such as blood serology, antibody screening, cross-matching, etc.
2. HLA test: It is suitable for HLA human leukocyte antigen typing, used for tissue matching and immune rejection research before organ transplantation.
3. Hematology experiments: for the separation and washing of red blood cells, white blood cells and platelets, providing important support for clinical blood transfusion, blood storage and handling of blood products.
4. Clinical laboratories and blood centers: As a daily experimental tool, it is used for the separation and analysis of blood samples in hospitals, blood stations, immunology institutes and so on.
5. Cell research and therapy: Support in cell therapy, in cell separation, culture and transplantation, and promote cell therapy technology in clinical and experimental research.

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<b>Model</b>	<b>CS100</b>
Maximum speed	4500rpm
Maximum RCF	2000xg

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<b>Model</b>	<b>CS100</b>
maximum capacity	12x0.25ml to 1ml
Rotation Speed Accuracy	±30rpm
Timer	1 minute to 99 minutes
Noise	≤60dB
Power supply	230Vac, 50Hz, 10A
Power	100W
Overall dimensions	456x330x266mm
Net weight	12kg