

## refrigerated centrifuge for blood collection vehicle

Refrigerated centrifuge for blood collection truck is a portable centrifugal equipment designed for blood collection trucks, which is suitable for clinical blood collection, nucleic acid testing and blood separation applications.

### refrigerated centrifuge for blood collection vehicle

The main function of the refrigerated centrifuge is to separate the different components of blood, providing efficient support for blood testing and nucleic acid testing. It is suitable for on-site clinical environments such as hospitals, blood stations and mobile medical units.

#### Features

- **Speed:** 5000rpm, suitable for the separation of a wide range of blood samples and nucleic acid extraction.
- **Capacity:** 4x4x15ml tubes or nucleic acid centrifuge tubes can be processed at the same time, which supports parallel processing of multiple samples and improves work efficiency.
- **Multi-function adapter:** Equipped with multiple adapters to support the centrifugation of different specification tubes and blood collection tubes, such as 10ml, 15ml vacuum blood collection tubes, nucleic acid centrifugal tubes, etc., which makes the machine multi-purpose and flexible.



- **Hermetic compressor:** Equipped with hermetic rotary compressor, to ensure stable refrigeration effect, suitable for experiments requiring low temperature treatment, in the extraction of blood or nucleic acid samples.
- **Environmental protection refrigeration system:** The use of environmentally friendly compressor unit, to ensure efficient refrigeration and does not cause pollution to the environment.
- **5-inch HD touch screen control:** High resolution touch screen display, intuitive interface, parameter settings and operation at a glance, simplify the operation process.
- **Overspeed, over-temperature protection:** Equipped with overspeed, over-temperature, door locks and other multiple protection functions to ensure the instrument in the centrifugal process stable and safe operation.
- **Suction cup feet:** The use of suction cups designed feet, can effectively fix the centrifuge in the blood collection car table, to avoid vibration or improper operation caused by equipment displacement.
- **Stainless steel cavity and multiple protection:** The inner cavity of the device is made of stainless steel, corrosion-resistant, easy to clean, and is equipped with multiple protection structure to effectively extend the service life and ensure long-term stable use.

### Working Principle

1. The working principle of the refrigerated centrifuge for blood collection truck is similar to that of traditional centrifuges, based on the principle of centrifugal force, through high-speed rotation to generate a strong centrifugal force, the components in the liquid samples according to the density differences in the stratification, so as to complete the separation of blood, nucleic acid extraction and other experiments.

2. **Centrifugal force:** Centrifuge through the motor-driven rotor high-speed rotation, the resulting centrifugal force makes the heavier components in the sample, such as blood cells, precipitates, etc. are forced to the bottom of the test tube settlement, the formation of precipitation. While lighter components, such as plasma or supernatant is left in the upper layer.
3. **Low-temperature protection:** Since it involves blood and nucleic acid samples, the centrifuge is equipped with a totally enclosed compressor refrigeration system to ensure that the low-temperature environment is maintained during centrifugation, preventing the sample temperature from rising and affecting its stability.
4. **Multiple safety protection:** In order to guarantee the operation safety of the equipment, the refrigerated centrifuge is equipped with multiple safety functions, such as overspeed protection, over-temperature protection and door lock protection, to prevent accidents caused by operating errors or equipment failure.

refrigerated centrifuge for blood collection vehicle

<b>Model</b>	<b>CS20</b>
Maximum speed	5000rpm
Maximum RCF	3555xg
maximum capacity	4x4x15ml or Nucleic acid centrifuge tube
Rotation Speed Accuracy	±30rpm

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<b>Model</b>	<b>CS20</b>
Timer	1 minute to 99 minutes
Temperature setting range	-20°C to 40°C
Temperature Accuracy	±1.0°C
Noise	≤65dB
Power supply	230Vac, 50Hz
Power	500W
Overall dimensions	415x675x325mm
Net weight	55kg