urine sediment centrifuge with 4000rpm and 32 units of 15ml

Urine sediment centrifuge through the high speed centrifugation process, the tangible sediment in the urine from the liquid part of the separation, for the subsequent analysis of urine to provide accurate experimental results.

Urine Sediment Centrifuge

Urine sediment centrifuge is usually used in urine analysis for rapid separation of cells, crystals or other sediments in urine.

Features

- **Speed:** 4000rpm, can effectively separate the sediment in urine.
- **Capacity:** Support 32 × 15ml test tubes, suitable for multi-sample simultaneous processing, improve work efficiency.
- **Microcomputer control:** Precise control of the centrifugal process, to ensure the efficiency and safety of the operation.
- **Frequency conversion motor drive:** Provides smooth running experience, reduces mechanical vibration and prolongs equipment life.
- **Automatic calculation of centrifugal force RCF:** Conveniently switch the rotational speed and centrifugal force RCF value by one key through the display panel, simplifying the operation.

- **LED display:** Colorful LED display interface, real-time display of speed, time, RCF value and other key parameters, intuitive and clear interface.
- **Short-time centrifugation special key:** Start the centrifugation process quickly to meet the needs of rapid separation in a short time.
- **Automatic balancing function:** Equipped with special shock absorber, the automatic balancing system can reduce the vibration generated during centrifugation and ensure the smooth operation of the equipment.
- **Safety design:** Equipped with electronic door lock, to ensure safety during the centrifugal process, prevent misuse.
- **Stainless steel tube rack:** Support a variety of stainless steel tube racks, easy to replace and clean, improve adaptability and service life of the equipment.

Principle

1. The working principle of urine sediment centrifuge is based on centrifugal separation technology, through the centrifugal force generated by high-speed rotation, the sediment in urine, such as red blood cells, white blood cells, bacteria, urine crystals, etc. and the liquid partially separated.
2. **Centrifugal force generation:** Centrifuge through the motor-driven rotor rotating at high speed, generating centrifugal force to promote the distribution of the components in the urine according to the density of different. Heavier particles such as cells, crystals, etc. are deposited to the bottom of the tube, forming a sediment.

3. **Separation process:** Under the set speed and time conditions, the centrifuge completes the separation process, the upper liquid part of the urine is removed, and the sediment is concentrated at the bottom of the test tube.
4. **Safety and control:** The microcomputer control system ensures the stable operation of the equipment during the centrifugation process and real-time monitoring of speed, time and other parameters. The automatic balance and electronic door lock system prevent the equipment from any accident during operation.

Application Areas

- **Clinical medicine:** Used to separate the sediment in urine to help analyze the red blood cells, white blood cells, bacteria, crystals and other components. Plays an important role in the diagnosis of urinary tract infections, kidney diseases, etc. Can be used to separate the cellular components of urine in clinical pathology experiments, providing auxiliary diagnostic information for doctors.
- **Biochemical research:** Helps to separate cells or cell fragments from urine for subsequent analysis and research use. The sediment component of urine may provide valuable biomarkers for disease surveillance in molecular biology studies.
- **Immunological assays:** For urine immunoassays, the separation of sediment aids in the analysis of immune responses and related molecules in urine. Antibodies or antigens in urine are isolated for further immunological testing and experiments.
- **Environmental monitoring:** In special environmental monitoring projects, can be used to detect pollutants or harmful substances in urine to provide data support.

Model	CS10
Maximum speed	4000rpm
Maximum RCF	2810xg
maximum capacity	32x15ml
Rotation Speed Accuracy	±10rpm
Timer	1 minute to 99 minutes
Centrifugal chamber diameter	380mm
Noise	⩽65dB
Power supply	230Vac, 50Hz, 10A
Power	450W
Overall dimensions	525x430x360mm
Net weight	40kg