



Benchtop High Speed Refrigerated Centrifuge (IN-HSRC-22S)

IN-HSRC-2S is benchtop high speed centrifuge, its max speed reaches up to 22000rpm. It can fit different fixed angle rotors capacity from 0.2ml to 500ml. As a refrigerated centrifuge, it supports setting temperature from -20°C to 40°C and the temperature accuracy is as high as $\pm 1^\circ\text{C}$

FEATURES:

- LCD touch screen with simple clear interface for viewing and setting parameters.
- Intelligent status display, real-time and real values.
- RPM and RCF convert automatically and displayed on same screen.
- Can set and store 1000 programs, with password protection.
- Can store 1000 run histories.
- 40 levels acceleration and deceleration rate, speed downs curvly slowly from 500rpm to 0rpm to prevent samples shake.
- Curve display---Speed curve, RCF curve and Temperature curve are displayed together, clear to see their changing and relations.
- Can set and save 5 stage centrifugation programs.
- Timer range: 1s-99h59m59s, programmable in 1s.
- RFID rotor intelligent recognition technology can instantly identify rotor specifications, max speed, max RCF, production date, usage and other information without running.
- Imbalance Detection: Three-axis gyroscope is used to monitor the vibration state of the running spindle in real time.
- Can set password to the device to prevent mis operation.



Refrigeration:

- Good compressor unit.
- CFC-free refrigerant.
- PID dynamic temperature control.
- $\pm 1^\circ\text{C}$ high temperature accuracy.
- Temperature range from -20°C to 40°C in 1°C steps
- Temperature sensor inside the chamber.

Ensure Safety:

- Electric door lock, controlled by independent motor.
- Emergency lid-lock release
- Lid can only be opened when completely stop running.
- Port in the lid for calibration and operation checking. • Hydraulic rods support the lid.

Good components:

- Motor: Variable frequency motor---stable running, maintenance free, long life.
- Housing: Thick and strong steel
- Chamber: Medical grade 316 stainless steel--- anticorrosion and easy to clean
- Rotor: Aluminium alloy fixed angle rotor

Specifications

Max Speed	22000rpm	Motor	Variable frequency motor
Max RCF	55000Xg	Display	LCD
Max Capacity	6*1000ml	Automatic rotor identification	Yes
Speed Accuracy	$\pm 10\text{rpm}$	Imbalance detection	Yes
Temp. range	-20°C~40°C	RCF can be set directly	Yes
Temp. Accuracy	$\pm 1^\circ\text{C}$	Can reset parameters under operation	Yes
Timer range	1s-99h59m59s	RCF can be set directly	Yes
Noise	$\leq 57\text{dB(A)}$	Can store programs	1000 programs
Power Supply	AC 220V 50HZ 15A	Adjustable acceleration and deceleration rate	40 levels
Dimension	420*520*360mm (L*W*H)	Compressor Unit	High quality
Weight	62kg	Housing material	Steel
Power	1200W	Chamber material	316 Stainless steel

