

LACE-RAVEN High Speed Micro-centrifuge 16500rpm/18780xg



MICRO-CENTRIFUGE

MAX. SPEED
16500RPM/18780XG

PRE COOLING SYSTEM

FAST COOLING SPEED

TOUCH SCREEN

In order to meet the needs of separation and sedimentation of low temperature samples, COLO has launched a desktop high-speed refrigerated centrifuge LACE-RAVEN. The compact LACE-RAVEN has the characteristics of reliable operation, ultra-low noise, high strength sealing, and fast cooling speed. And the rotor can be replaced according to the needs of different samples. The smallest centrifuge tube can reach 0.2 ml (4 * PCR plate)..

- Micro controller and high torque and brushless motor provide stable operation and low noise
- Short spin on button
- Fast cooling speed, can be reduced from room temperature to 4°C in <15min
- SOFT brake function to prevent re-suspension and protect sensitive samples;
- Improved system for opening the lid in case of power failure
- A built-in condensate collection vessel reduces the risk of contamination
- Microprocessor based technology, easy and direct operation interface
- Stainless steel sample compartment with corrosion resistant coating
- Free maintenance no contact drive rotation system
- Imbalance detection safety system
- It has various early warning functions such as over-speed, over temperature, unbalance, under-voltage and over-voltage, three-stages damping and shock absorption,
- Special combination damping device, which makes the motor run safely and reliably, prevent the sample from vibration to achieve excellent centrifugal effect.
- Double system parameter settings – LCD Touch Screen and soft touch keypad
- Different types of optional rotors available
- Chamber temperature display and overheating alarm
- After process of centrifugation is finished chamber cover lids can be opened by integrated button
- The parameters can be changed during device operation
- Pre cool option to adjust chamber temperature to the settings value
- The bio-safety airtight angle rotor uses a silicone rubber integral seal (EU RoHS 2015/863) to avoid fully guarantee for the safety of the staff and laboratory environment
- Special damping and shock absorption, which makes the motor run safely and reliably, and achieve excellent centrifugal effect
- Cover lead shock absorber provide easy and smooth operation with sample

Item Name	LACE-RAVEN
Set of standard rotors included	24x1,5/2ml
Max. Speed rpm	16500rpm/18780xg
Power	1500W
Display	LCD touch screen
Ambient temperature	0-40°C
Temperature control range	-10°C to 40°C
Noise	≤50dB (A)
Timer	1sec-99min59sec/continuous/short spin button
Electric safety lid lock	Mechatronic motor door lock
RPM/RCF conversion	Yes
Chamber temperature display	Yes
Programing option	6 programs can be memorized (more according customer request)
Acceleration/Brake	10 programming ramp of acceleration and deceleration
Parameter settings	Soft touch keyboard /LCD Touch Screen
Microbiological paint coating protection	Yes
End process sound alarm	Yes
Power supply	AC 220V/50Hz
Weight kg NV/GW	35/45

Rotors

- 16RAVR1 - Rotor 12x1,5/2ml - 16500rpm/18780xg
- 16RAVR2 - Rotor 24x1,5/2ml - 13500rpm/16940xg
- 16RAVR3 - Rotor PCR 2x8x0,2ml - 15000rpm/11030xg
- 16RAVR4 - Rotor PCR 4x8 x0,2ml - 15000rpm/11030xg

Remarks: all rotors can be autoclaved.

Please note:

If this centrifuge does not match the specific needs of your application, or some option are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specification any time.

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