

labodam

REFRIGERATED CENTRIFUGE

LRF-C10



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Refrigerated Centrifuge LRF-C10

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LRF-C10 is a microprocessor controlled table top type high speed refrigerated centrifuge with 20000 rpm speed and flexible axle driven rotor system. It is noiseless, pollution-free instrument with highly sophisticated design delivering high precision in results. It is equipped with brushless frequency motor, fluorine free compressor, automatic electric lid lock system and helps to separate crude samples that are heat labile or demands low temperature during their experimental protocol.

Features

- Microprocessor controlled system
 - Flexible axle driven rotor system that ensures smooth functioning
 - 3 tier protection steel covering to ensure safety
 - Digital display that indicates all running parameters
 - Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
 - Provision to change running parameters
 - 30 different programs can be stored in the memory
 - 10 different acceleration and deceleration speed available
 - Uses 3 kinds of centrifugal methods: speed, RCF and ω^2t
 - Rotor is connected to spindle by specialized taper sleeve
 - Wide range of rotors that are compatible with the instrument are available
 - Adapters can be designed as per the experimental requirement
 - Safe, reliable and efficient
 - Pollution free
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Applications

LRF-C10 is extensively used for protein precipitation, RNA extraction in the field of medicine, life science, agriculture science etc

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Specifications

| Model no. | LRF-C10 |
|--------------------|------------------------------|
| Max. Speed | 21000 rpm |
| Max. RCF | 30910 x g |
| Max. Capacity | 6 x 100 ml |
| Temperature Range | -20 °C to 40 °C |
| Temp. Accuracy | ± 1 °C |
| Speed Accuracy | ± 20 rpm |
| Timer range | 1-99 hr. 59 min |
| Noise | ≤ 55 dB |
| Power Supply | AC 110-220 V/ 50-60 Hz/ 10 A |
| Dimension | 380 x 608 x 570 mm |
| Packaged Dimension | 830 x 650 x 500 mm |
| Net Weight | 82 kg |
| Gross Weight | 92 kg |

Refrigerated Centrifuge

Select the suitable rotor as per your requirement from the list given below:

| Rotor Name | Max. Speed (rpm) | Max. Capacity (ml) | Max. RCF (x g) |
|-----------------|------------------|--------------------|----------------|
| Angle Rotor O1 | 21000 | 12×1.5/2ml | 30910 |
| Angle Rotor O2 | 15000 | 40×0.5ml | 22920 |
| Angle Rotor O3 | 17000 | 24×1.5/2ml | 26460 |
| Angle Rotor O4 | 13500 | 30×1.5/2ml | 19340 |
| Angle Rotor O5 | 16000 | 16×5ml | 22020 |
| Angle Rotor O6 | 14000 | 12×7ml | 21380 |
| Angle Rotor O7 | 10000 | 12×15ml | 11840 |
| Angle Rotor O8 | 15000 | 12×10ml | 22680 |
| Angle Rotor O9 | 15000 | 8×20ml | 22680 |
| Angle Rotor O10 | 14000 | 6×30ml | 19060 |
| Angle Rotor O11 | 12000 | 6×50ml | 16050 |
| Angle Rotor O12 | 12000 | 6×70ml | 15570 |
| Angle Rotor O13 | 12000 | 4×100ml | 14850 |
| Angle Rotor O14 | 12000 | 6×100ml | 14850 |
| Angle Rotor O15 | 16000 | 6×10ml | 21500 |
| Angle Rotor O16 | 18000 | 30×0.5ml | 26660 |
| Angle Rotor O17 | 13500 | 48×1.5/2ml | 17930 |
| Microplate O1 | 4000 | 2×3×48 well | 2300 |