



# REFRIGERATED CENTRIFUGE

LRF-C2 Series

## Refrigerated Centrifuge LRF-C20

This model is a floor standing high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable, and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc. and delivers highly precise results.

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### Features

- ▣ Microprocessor controlled system
  - ▣ Flexible axle driven rotor system that ensures smooth functioning
  - ▣ 3 tier protection steel covering to ensure safety
  - ▣ 10 inches LCD 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
  - ▣ 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

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

# Refrigerated Centrifuge

## Specifications

Model no.	LRF-C20
Max. Speed	21000 rpm
Max. RCF	46140 xg
Max. Capacity	4 x 800 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
Rotor Identification	Automatic
Power Supply	AC 110-220 V/ 50-60 Hz/ 35 A
Dimension	800 x 740 x 9300 mm
Packaged Dimension	1000 x 850 x 1510 mm
Net Weight	235 kg
Gross Weight	285 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)
Swing Rotor 01	4000	4x800	3450
Swing Rotor 02	15000	4x5ml	21670
Swing Rotor 03	13000	4x30ml	23580
Swing Rotor 03	10000	4x50ml	16240
Angle Rotor 01	21000	12x10	44440
Angle Rotor 02	20000	16x10	46140
Angle Rotor 03	20000	8x 30/20	42040
Angle Rotor 04	20000	6x50	44710
Angle Rotor 05	15000	8x50	27540
Angle Rotor 06	15000	6x70	25480
Angle Rotor 07	12000	8x100	19610
Angle Rotor 08	11000	4x300	18120
Angle Rotor 09	12000	6x300	22650
Angle Rotor 10	8000	6x500	11740

# Refrigerated Centrifuge

## Refrigerated Centrifuge LRF-C21

This model is a floor standing high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc.

### Features

- Microprocessor controlled system
- Brushless frequency motor that ensures noise less functioning
- Flexible axle driven rotor system enables smooth functioning
- 3 tier protective steel covering
- LED display
- Automatic electric lid lock system to ensure safety of the operation
- 10 kinds of programs can be stored in the memory
- 10 different kinds of accelerating and decelerating speed available

### Applications

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.

### Specifications

Model no.	LRF-C21
Max. Speed	21000 rpm
Max. RCF	30910 x g
Max. Capacity	4 x 800ml
Temperature Range	-20°C-40°C
Temp. Accuracy	± 1°C
Speed Accuracy	± 20 rpm
Timer range	1-99 hr. 59 min
Noise	≤ 58 dB
Power Supply	AC 220V/50Hz/ 20A
Dimension	820 x 682 x 540 mm
Net Weight	170 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)
Swing Rotor 01	4000	4x800 (Round Cup)	3450
Swing Rotor 02	4000	4x500 ( Round Cup)	3380
Swing Rotor 03	4000	4x500 (Square Cup)	3310
Microplate Rotor 01	4000	4x4x96 Well	2840
		2x4x96 Well	2490
		2x3x48Well	2300
		4x40x7	3270
Swing Rotor 04	4000	4x40x5	2890
		4x18x10	3140
Angle Rotor 01	21000	12x1.5/2	30910
Angle Rotor 02	15000	40x0.5	22920
Angle Rotor 03	17000	24x1.5/2	26460
Angle Rotor 04	13500	30x1.5/2	19340
Angle Rotor 05	16000	16x5	22020
Angle Rotor 06	14000	12x7	21380
Angle Rotor 07	10000	12x15	11840
Angle Rotor 08	15000	12x10	22680
Angle Rotor 09	15000	8x20	22680
Angle Rotor 10	14000	6x30	19060
Angle Rotor 11	12000	6x50	16050
Angle Rotor 12	12000	6x70	15570
Angle Rotor 13	12000	4x100	14850

# 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 14	12000	6×100	14850
Angle Rotor 15	16000	6×10	21500
Angle Rotor 16	18000	30×0.5	26660
Angle Rotor 17	13500	48×1.5/2	17930
Angle Rotor 18	5000	12×15 ml	3080
Angle Rotor 19	5000	6×50 ml	2850
Angle Rotor 20	5000	4×50 ml	2520
Angle Rotor 21	5000	4×100 ml	2630
Angle Rotor 22	5000	24×15 ml	3500
Angle Rotor 23	5000	12×50 ml	3860
Angle Rotor 24	5000	6×100 ml	3130
Angle Rotor 25	4000	12×100 ml	2970

## Adapter for 800 ml and 500 ml bucket

Volume	5 ml	7 ml	10 ml	15 ml	50 ml
800 ml (Round Cup)	23 pcs/cup	23	19	14	5
500 ml (Round Cup)	18 pcs/cup	18	14	9	3
500 ml (Square Cup)	20 pcs/cup	20	16	12	5

## Refrigerated Centrifuge LRF-C22

This model is a high speed refrigerated centrifuge having 21000 rpm speed. It is safe, reliable and user friendly instrument equipped with brushless frequency motor, LCD display, flexible axle driven rotor system, automatic electric lid lock system etc. and delivers highly precise results.

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### Features

- ▣ Dual core processor making it high/low speed and large/small capacity compatible
  - ▣ Flexible axle driven rotor system that ensures smooth functioning
  - ▣ 3 tier protection steel covering to ensure safety
  - ▣ 10 inches LCD display that indicates all running parameters
  - ▣ Automatic electric locking system that ensures protection against over speed, over temperature and imbalance
  - ▣ Enables easy and quick loading of samples
  - ▣ Provision to change running parameters
  - ▣ 10 different programs can be stored in the memory
  - ▣ 10 different acceleration and deceleration speed available
  - ▣ 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

It is widely used in life sciences, healthcare and pharmaceutical industries for RNA extraction, protein precipitation and sample processing.



# Refrigerated Centrifuge

## Specifications

Model no.	LRF-C22
Max. Speed	21000 rpm
Max. RCF	30910 x g
Max. Capacity	4 x 800ml
Temp. 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/15A
Dimension (H x W x D)	700 x 715 x 420 mm
Packaged Dimension (H x W x D)	875 x 785 x 560 mm
Net Weight	125 kg
Gross Weight	150 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)
Swing Rotor 01	4000	4 x 800 (RoundCup)	3450
Swing Rotor 02	4000	4 x 500 (RoundCup)	3380
Swing Rotor 03	4000	4 x 500 (Square Cup)	3310
Microplate Rotor 01	4000	4 x 4 x 96well	2840
		2 x 4 x 96 well	2490
		2 x 3 x 48 well	2300
Swing Rotor 04	4000	4 x 40 x 7	3270
		4 x 40 x 5	2890
		4 x 18 x 10	3140
Angle Rotor 01	21000	12 x 1.5/ 2	30910
Angle Rotor 02	15000	40 x 0.5	22920
Angle Rotor 03	17000	24 x 1.5/ 2	26460
Angle Rotor 04	13500	30 x 1.5/ 2	19340
Angle Rotor 05	16000	16 x 5	22020
Angle Rotor 06	14000	12 x 7	21380
Angle Rotor 07	10000	12 x 15	11840
Angle Rotor 08	15000	12 x 10	22680
Angle Rotor 09	15000	8 x 20	22680
Angle Rotor 10	14000	6 x 30	19060
Angle Rotor 11	12000	6 x 50	16050
Angle Rotor 12	12000	6 x 70	15570
Angle Rotor 13	12000	4 x 100	14850

# 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 14	12000	6 x 100	14850
Angle Rotor 15	16000	6 x 10	21500
Angle Rotor 16	18000	30 x 0.5	26660
Angle Rotor 17	13500	48 x 1.5/ 2	17930
Angle Rotor 18	5000	12x15ml	3080
Angle Rotor 19	5000	6x50ml	2850
Angle Rotor 20	5000	4x50ml	2520
Angle Rotor 21	5000	4x100ml	2630
Angle Rotor 22	5000	24x15ml	3500
Angle Rotor 23	5000	12x50ml	3860
Angle Rotor 24	5000	6x100ml	3130
Angle Rotor 25	4000	12x100ml	2970

## Adapter for 800 ml and 500 ml bucket

Volume	5 ml	7 ml	10 ml	15 ml	50 ml
800 ml (Round Cup)	23 pcs/cup	23	19	14	5
500 ml (Round Cup)	18 pcs/cup	18	14	9	3
500 ml (Square Cup)	20 pcs/cup	20	16	12	5