



# High Speed Refrigerated Centrifuge LX107HSR

It is a benchtop high speed refrigerated centrifuge having 21000 rpm speed. Designed with Microprocessor controlled system and 3 tier protection steel covering to ensure safety. Equipped with brushless frequency motor, LED display, flexible axle driven rotor system, automatic, automatic electric locking system that ensures protection against over speed, over temperature and imbalance and delivers highly precise results. Its dual core processor making it high/low speed and large/small capacity compatible.

## Features

- ❑ 3 tier protection steel covering to ensure safety
- ❑ Enables easy and quick loading of samples
- ❑ Provision to change running parameters
- ❑ Wide range of rotors that are compatible with the instrument are available
- ❑ Enables easy and quick loading of samples
- ❑ Adapters can be designed as per the experimental requirement

## Specifications

Model	LX107HSR
Maximum speed	21000 rpm
Maximum RCF	30910 x g
Maximum capacity	4 x 800 ml
Temp. Range	-20 °C to 40 °C
Temp. Accuracy	± 1 °C
Speed accuracy	±20 rpm
Timer range	1- 99 hr. 59 min
Noise	≤ 58dB (A)
Dimension (W x D x H)	710 × 710 × 410 mm
Net weight	125 kg

Packing dimension	880 x 800 x 580 mm
Gross weight	150 kg

## Rotor selection

Rotor Name	Maximum speed (rpm)	Maximum capacity (ml)	Maximum RCF x g
Swing rotor 01	4000	4 x 500 (Round cup)	23580
Swing rotor 02	4000	4 x 500 (Square cup)	3310
Swing rotor 03	4000	4 x 600 (Oval cup)	3530
Swing rotor 04	4000	4 x 800 (Round cup)	3450
Swing rotor 05	4000	4 x 1 x 50	4730
Swing rotor 06	4000	4 x 1 x 100	4730
Swing rotor 07	4000	4 x 2 x 100	3200
Swing rotor 08	4000	4 x 2 x 50	3200
Swing rotor 09	4000	4 x 12 x 10 (Vacuum tube)	2880
Swing rotor 10	4000	4 x 12 x 7 (Vacuum tube)	2760
Swing rotor 11	4000	4 x 12 x 5 (Vacuum tube)	2480
Swing rotor 12	4000	4 x 8 x 10/15 (Vacuum tube)	3200
Swing rotor 13	4000	4 x 6 x 10/15 (Vacuum tube)	3200
Swing rotor 14	4000	4 x 4 x 10/15 (Vacuum tube)	3200
Swing rotor 15	4000	4 x 16 x 5 (Vacuum tube)	2530
Swing rotor 16	4000	4 x 16 x 7 (Vacuum tube)	2890
Angle rotor 01	21000	12 x 1.5/2	30910
Angle rotor 02	15000	40 x 0.5	22920
Angle rotor 03	18000	24 x 1.5/2	29670
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	12000	8 x 20	14510
Angle rotor 10	14000	6 x 30	19060
Angle rotor 11	13000	6 x 50	18840
Angle rotor 12	12000	4 x 100	14850
Angle rotor 13	12000	6 x 100	16390
Angle rotor 14	16000	6 x 10	21500
Angle rotor 15	18000	30 x 0.5	26660
Angle rotor 16	13500	48 x 1.5/2	17930
Angle rotor 17	5000	24 x 15	3500
Angle rotor 18	5000	12 x 50	3860
Angle rotor 19	4000	12 x 100	2970
Angle rotor 20	5000	30 x 15	3830
Angle rotor 21	4000	24 x 50	2970
Microplate rotor 01	4000	4 x 4 x 96 Well	2940
Microplate rotor 02	4000	2 x 4 x 96 Well	3210
Microplate rotor 03	4000	2 x 3 x 48 Well	2300

## Application

Used in food processing industries, cell culture and cell separation in biopharmaceutical and in biotech industries.