

 LABTRON

HIGH SPEED CENTRIFUGE



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HIGH SPEED CENTRIFUGE

High Speed Centrifuge LHS-A10

High Speed Centrifuge LHS-A10 is a microprocessor controlled light weight table top type system with an advanced design that enables easy operation. It is well equipped with digital display, auto-electric locking system and brushless DC motor.

Features

- Microprocessor controlled system
- Digital display which enables users to monitor the present speed and remaining time
- Enables easy and fast loading of samples
- Auto electric locking system provides protection against over speed and temperature and imbalances to ensure the safety of the operation
- With brushless DC motor, it works in quiet and clean environment and therefore requires low maintenance
- Environmental friendly

Applications

It is used to measure volume fractions of erythrocytes in blood and also for separation of different components of blood.

Specifications

Model no.	LHS-A10
Max. Speed	12000 rpm
Max. RCF	15800 x g
Max. Capacity	24 pieces capillary vessel
Timer Range	1-99 min
Speed Accuracy	± 20 r/min
Noise	≤ 55 dB
Power Supply	AC 220V/ 50Hz/ 5A
Dimension (H x W x D)	355 x 270 x 205 mm
Net Weight	13 kg
Gross Weight	15 kg

HIGH SPEED CENTRIFUGE

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

Rotor Name	Max speed (rpm)	Max capacity (ml)	Max RCF ($\times g$)
Angle rotor 01	16000	40 x 0.2	19040
Angle rotor 02	16000	24 x 0.5	18480
Angle rotor 03	16000	12 x 1.5/ 2	16260
Angle rotor 04	16000	10 x 5	17880
Angle rotor 05	14000	20 x 1.5	15580
PCR Rotor 01	13000	4 x 8	10410

High Speed Centrifuge LHS-A20

LHS-A20 is a microprocessor controlled superior quality High Speed Centrifuge having 16000 rpm speed. It is safe, noise less and easy-to-operate instrument equipped with digital display and brushless DC motor, automatic electric lid lock system etc. fluorine free compressor makes it ideal for separation of samples that demand low temperature.

Features

- Microprocessor controlled system
- Brushless DC motor
- 3 tier protective steel covering
- Digital display that indicates speed, time and RCF in operation
- Fluorine free compressor with double cycle cooling and heating effect
- Automatic electric lid lock system that provides protection against over speed, over temperature and imbalance to ensure safety of the operation
- Rotor is connected to spindle by specialized taper sleeve
- Provision to edit running parameters
- Wide range of optional rotors is available
- Adapters can be designed as per the experimental requirement
- Quick in function
- Safe, reliable and easy-to-operate
- Pollution free

HIGH SPEED CENTRIFUGE

Applications

It is widely used in biochemical and clinical labs for precipitate separation and serum analysis, in pharmaceutical industry etc. and is perfect for DNA, RNA, PCR or antibody analysis.

Model no.	LHS-A20
Max. Speed	16000 rpm
Max. RCF	20600 x g
Max. Capacity	6 x 100 ml
Temp. Range	-20°C-40°C
Temp. Accuracy	± 1°C
Speed Accuracy	± 20 r/min
Timer Range	1-9 hr. 59 min
Noise	≤ 58 dB
Rotor Identification	Automatic
Power Supply	AC 220 V/ 50 Hz/ 10 A
Dimension (H x W x D)	608 x 570 x 380 mm
Net Weight	82 kg

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 01	16000	12 x 1.5/ 2	1790
Angle rotor 02	14000	40 x 0.5	19970
Angle rotor 03	15000	24 x 1.5/ 2	20600
Angle rotor 04	13500	30 x 1.5/ 2	19340
Angle rotor 05	15000	16 x 5	19350
Angle rotor 06	14000	12 x 7	16370

HIGH SPEED CENTRIFUGE

Angle rotor 07	10000	12 x 15	11840
Angle rotor 08	12000	12 x 10	14510
Angle rotor 09	12000	8 x 20	14510
Angle rotor 10	12000	6 x 30	14000
Angle rotor 11	11000	6 x 50	13480
Angle rotor 12	10000	6 x 70	10810
Angle rotor 13	10000	4 x 100	10310
Angle rotor 14	10000	6 x 100	11380
Angle rotor 15	14000	6 x 10	16460
Angle rotor 16	15000	30 x 0.5	18510
Angle rotor 17	11000	48 x 1.5/ 2	12840
Microplate rotor 01	4000	2 x 3 x 48 well	2300

High Speed Centrifuge LHS-A21

High Speed Centrifuge LHS-A21 is a microprocessor controlled table top type centrifuge having 16000 rpm speed. It is safe, reliable and user friendly instrument equipped with digital display, automatic electric lid lock and super speed protection device.

Features

- Stainless steel chambers
- Microprocessor controlled system
- Brushless DC motor
- Digital display that indicates the speed, time and RCF in operation
- Automatic electric lid lock system that provides protection against over speed, over temperature and imbalance to ensure safety of the operation
- Provision to edit running parameters
- Enables easy and quick loading of samples
- 3 tiers protection steel covering

HIGH SPEED CENTRIFUGE

Features

- Maintenance free and easy-to-operate
- Safe and reliable
- Environment friendly

Applications

It is used for sedimentation of cells and viruses, separation of sub-cellular organelles and isolation of macromolecules such as DNA, RNA, proteins or lipids.

Specifications

Model no.	LHS-A21
Max. speed	16000 rpm
Max. RCF	19040 x g
Max. Capacity	10 x 5 ml
Timer Range	0-99 min
Speed Accuracy	± 50 rpm
Noise	≤ 65 dB
Power Supply	AC 220-230V/ 50-60Hz/ 2A
Dimension (H x W x D)	355 x 270 x 205 mm
Net Weight	13 kg

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 01	16000	40 x 0.2	19040
Angle rotor 02	16000	24 x 0.5	18480
Angle rotor 03	16000	12 x 1.5/ 2	16260
Angle rotor 04	16000	10 x 5	17880
Angle rotor 05	14000	20 x 1.5	15580
PCR Rotor 01	13000	4 x 8	10410

HIGH SPEED CENTRIFUGE

High Speed Centrifuge LHS-A22

High Speed Centrifuge LHS-A22 is a portable and easy to use microprocessor controlled instrument having three tiers of protective steel covering to ensure safety. It is well equipped with digital display, auto-electric locking system, brushless DC motor and enables easy and fast loading of samples.

Features

- 3 tiers protective steel covering to ensure safety
- Microprocessor controlled system
- Digital display which enables users to monitor the present speed and remaining time
- Auto electric locking system provides protection against over speed and temperature and imbalances to ensure the safety of the operation
- Brushless DC motor
- Enables easy and fast loading of samples
- User can set 10 programs
- Requires low maintenance
- Environmental friendly

Applications

It is used to measure volume fractions of erythrocytes in blood and also for separation of different components of blood.

Specifications

Model no.	LHC-A22
Max. speed	16000 rpm
Max. RCF	19040 x g
Max. Capacity	10 x 5 ml
Timer range	0-99 min
Speed Accuracy	± 50 rpm
Noise	≤ 65 dB
Power supply	AC 220-230V/ 50-60Hz/ 2A

HIGH SPEED CENTRIFUGE

Dimension (H x W x D)	515 x 370 x 320 mm
Net weight	42 kg

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 01	16000	40 x 0.2	19040
Angle rotor 02	16000	24 x 0.5	18480
Angle rotor 03	16000	12 x 1.5/ 2	16260
Angle rotor 04	16000	10 x 5	17880
Angle rotor 05	14000	20 x 1.5	15580
PCR Rotor 01	13000	4 x 8	10410

High Speed Centrifuge LHS-B10

High Speed Centrifuge LHS-B10 is safe and reliable microprocessor controlled instrument having 20,000 rpm speed. It is well equipped with digital display, auto-electric locking system and brushless DC motor.

Features

- Stainless steel chamber
- 3 tier protective steel covering
- Microprocessor controlled system
- Digital display that indicates speed and time
- Auto electric locking system provides protection against over speed and temperature and imbalances to ensure the safety of the operation
- With Brushless DC motor it requires low maintenance
- Enables easy and quick loading of samples
- 10 kinds of programs can be stores in the memory
- Safe and reliable
- User friendly

HIGH SPEED CENTRIFUGE

Applications

High speed centrifuge LHS-A20 is widely used in the field of animal and plant molecular biology. It is suitable for separating chemical substances from cell and purifying the microorganisms and sub-cellular components etc.

Specifications

Model no.	LHS-B10
Max. speed	20000 rpm
Max. RCF	2660 x g
Max. Capacity	6 x 100 ml
Timer Range	1-99 min
Speed Accuracy	± 50 r/min
Noise	≤ 65 dB
Power Supply	AC 110-220V/ 50-60Hz/ 10A
Dimension (H x W x D)	515 x 370 x 320 mm
Net Weight	42 kg
Gross Weight	48 kg

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 01	21000	12 x 1.5/ 2	28030
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

HIGH SPEED CENTRIFUGE

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
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
Microplate 01	4000	2 x 3 x 48 well	2300

High Speed Centrifuge LHS-B20

High speed centrifuge LHS-B20 is safe, reliable, maintenance free multi-purpose desktop type centrifuge having 21000 rpm speed. It is well equipped with LCD display, dual core processor, fluorine free compressor, brushless DC motor and auto electric locking system. Also, it has double effect cooling cycle which ensures effective cooling along with 3 tier protective steel covering to ensure safety.

Features

- LCD display to indicate all running parameters
- 3 tier protective steel covering
- Brushless DC motor makes it maintenance free
- Dual core processor enables it to be high/ low speed and large/small capacity compatible
- Fluorine free compressors to ensure environment protection
- Double cycle cooling effect to ensure effective cooling
- Automatic electric lid lock system provides protection against over speed and temperature and imbalance to ensure safety of the operation
- Enables easy and quick loading of samples
- Users are free to select 10 different accelerating and decelerating speed of their choice
- 10 kinds of program can be stored in the memory

- Rotor is connected to spindle by specialized taper sleeve
- Adapters can be designed according to the experimental requirement
- Optional rotors available
- Safe and reliable
- Easy-to-use

Applications

It is widely used in protein precipitation, RNA extraction, Clinical sample processing.

Specifications

Model no.	LHS-B20
Max. speed	21000 rpm
Max. RCF	29670 x g
Max. Capacity	4 x 500 ml
Temp. Range	-20°C-40°C
Temp. Accuracy	± 1°C
Timer Range	1-99 hr. 59 min
Speed Accuracy	± 50 r/min
Noise	≤ 58 dB
Power Supply	AC 110-220V/ 50-60Hz/ 15A
Dimension (H x W x D)	690 x 715 x 430 mm
Net Weight	125 kg
Gross Weight	138 kg

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 (Round Cup)	3450
Swing Rotor 02	4000	4 x 500 (Round Cup)	3380
Swing Rotor 03	4000	4 x 500 (Square Cup)	3310
Microplate Rotor 01	4000	4 x 4 x 96 well	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	28030
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
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



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