



Head Office: ABDUL WAHAB & SONS,  
260-Allama Iqbal Road Mustafabad Lahore-54000-PAKISTAN  
Phone: 92-42-37173814.042-37190205  
Fax: 92-42-37190205 Cell: 0333-4452807-0300-9484507  
Email:naveed@abdulwahabsons.com  
Email:info@contactaws@yahoo.com  
[www.abdulwahabsons.com](http://www.abdulwahabsons.com)

# Low speed Laboratory centrifuge

Electronic Centrifuge has beautiful shape, large capacity, small volume, complete function. Its performance is stable, the speed is adjustable and can automatically adjust the balance, low temperature, high efficiency, wide applicability and so on. Qualitative analysis of the product is suitable for pharmaceutical products, blood, clinical test and biochemistry laboratory for serum, plasma, urea.



Type No.	80-1	80-2
Speed range	0~4000 (rpm)	
Capacity (ml)	20 (ml) ×6 or 10(ml) x8	20(ml) x 12
Time Range (min)	0~120 (min)	
Maximum centrifugal force (xg)	1795 (xg)	2325 (xg)
Voltage	220V 50HZ	110V 60HZ
Package size	30*32*28cm	37*34*33cm
Weight	6KG	9KG

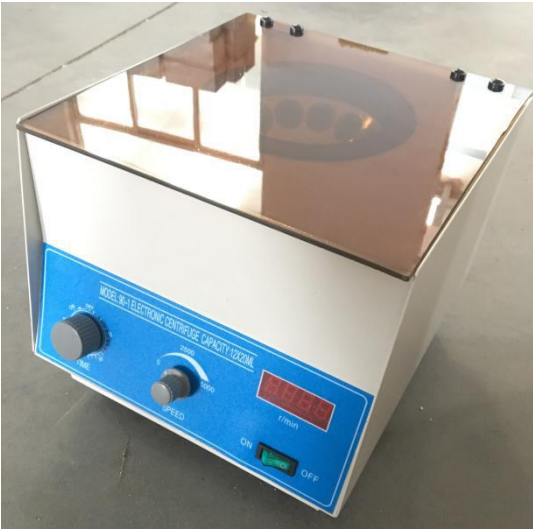
# Low speed Laboratory centrifuge



800 electric centrifuge is widely used in hospitals, chemical and Biological Chemistry Laboratory for serum, plasma, immune qualitative analysis experiment. Has beautiful shape, large capacity, small volume, complete function. Its performance is stable, the speed is adjustable and can automatically adjust the balance, low temperature, high efficiency and wide applicability and advantages.

Type No.	800	800D/800-1	800-3 digital display
Speed range	0～4000（rpm）		
Capacity（ml）	20（ml）×6		
Time Range (min)	/	0～120（min）	
Maximum centrifugal force (xg)	1790（xg）		
Voltage	220V 50HZ      110V   60HZ		
Package size	31*31*28CM		
Material	Metal		
Weight	4KG		

# 5000rpm Laboratory centrifuge



The electric centrifuge has the advantages of beautiful appearance, large capacity, small size and complete function. Its performance is stable, the speed can be adjusted and can automatically adjust the balance, low temperature rise, high efficiency and wide applicability and advantages. The products applicable to pharmaceutical products, blood, clinical trials and biochemistry laboratory for serum, plasma and urea in the qualitative analysis

Type No.	90-1	90-2 digital display	90-2 touch key
Speed range	0~5000 (rpm)		
Capacity (ml)	8*20/15ml or 12*20/15ml		18*15ml
Time Range (min)	0-120 min		0-99 min
Maximum centrifugal force (xg)	4750 (xg)		
Voltage	220V 50HZ 110V 60HZ		
Package size	38*37*33 CM		
Weight	9 KG	10 KG	

# 5000rpm Laboratory centrifuge



Low speed centrifuge has beautiful shape, large capacity, small volume, complete function. Its performance is stable, the speed is adjustable and can automatically adjust the balance, low temperature, high efficiency, wide applicability and so on. Qualitative analysis of the product is suitable for pharmaceutical products, blood, clinical test and biochemistry laboratory for serum, plasma, urea.

Type No.	90-2B no digital	90-2B touch key
Speed range	0~5000 (rpm)	
Capacity (ml)	24*15ml	
Time Range (min)	0~120 (min)	0-99 (min)
Maximum centrifugal force (xg)	2900 xg	
Voltage	220V 50HZ	110V 60HZ
Package size	38*37*33cm	
Weight	10KG	



# Mini palm Laboratory centrifuge



Small Centrifuge is widely used in life sciences as low speed and medium speed trace centrifuge is used, in the conventional life science experiments, is used to trace pipe precipitation or centrifugal experiment essential premise. The instrument in order to reduce the use of high speed centrifuge isotope flat rate and can be used as a dedicated centrifuge, in order to reduce the chance of contamination high-speed centrifuge.

Type No.	LX-100	LX-200
Speed range	0～3000（rpm）	0～7000（rpm）
Capacity（ml）	1.5ml*6,0.5ml*6,0.2ml*6	1.5m*6, 0.5ml*6 ,0.2ml*6 0.2ml*16
Time Range (min)	/	
Maximum centrifugal force (xg)	/	
Voltage	220V 50HZ	
Package size	31*31*28cm	
Weight	2KG	

# Mini palm Laboratory centrifuge



Palm type, mini type centrifuge is referring to foreign products and the development of the first mini centrifuge, widely used in the field of life sciences as a slow and medium-speed microcentrifuge using, in general life science experiments, for the micro-tube sedimentation or centrifugation experiments of an essential prerequisite. This instrument to reduce the frequency of use and can be used as a high-speed centrifuge isotope dedicated centrifuges, high speed centrifuge to reduce the chance of contamination.

Type No.	LX-500	MiNi-10K+
Speed range	0～12000（rpm）	3000～10000（rpm）
Capacity（ml）	2ml×8 1.5ml×8 0.5ml×8 0.2ml×8 0.2ml×16	8*1.5ml/0.5ml/0.2ml 2×8×0.2ml PCR centrifugal tube(speed≤6000rpm)
Time Range (min)	/	
Maximum centrifugal force (xg)	/	
Voltage	220V 50HZ	
Package size	31*31*28cm	
Weight	3KG	

# High speed Laboratory centrifuge



Table top high speed Centrifuge high strength steel, has small volume, beautiful appearance generous, speed, low noise, small cavity temperature rise and high separation efficiency, etc. Apply to areas such as biology, medicine and agriculture science experiments and analysis, the research on genetic gene, protein, nucleic acid used in effect more significant. The product speed fast, pointer display speed, the centrifugal effect is obvious. Especially suitable for the laboratories of centrifugal separation difficult separation of trace sample, equipped with mechanical locks, safe and reliable.

Type No.	TGL-16	TGL-16A
Speed range	0~16000（rpm）	
Capacity（ml）	12*1.5ml/0.5ml*12/6*5ml 12*1.5ml and 12*0.5ml（optional）	
Time Range (min)	0-60min	
Maximum centrifugal force (xg)	17000 xg	
Voltage	220V 50HZ 110V 60HZ	
Package size	37*33*32cm	
Weight	11KG	

# Micro blood Laboratory centrifuge



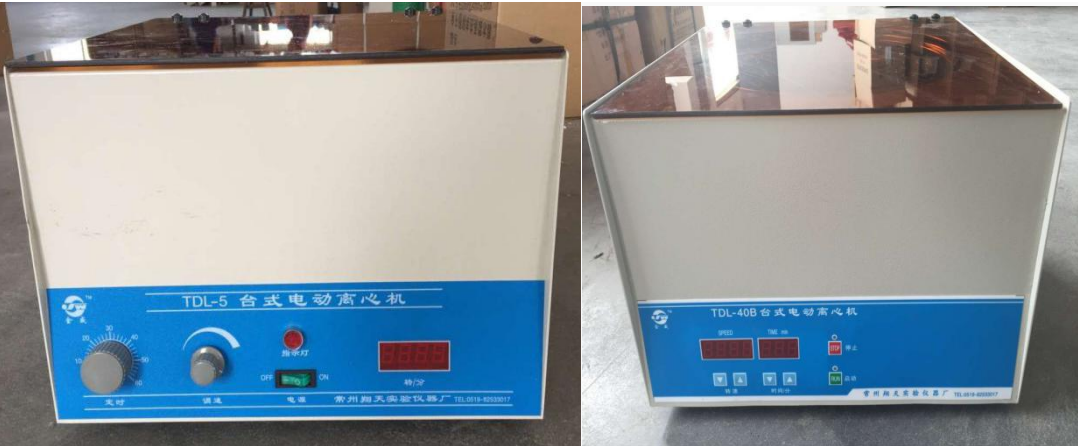
Micro blood centrifuge for accurate measurement of precipitation and separation of blood cells and blood trace and solution. You can take a small amount of blood can be separated in a short period of time (can be more convenient access to the ear blood). The centrifuge has the advantages of high efficiency, integration design, high precision.

Type No.	SH120-1	TGL-12B
Speed range	0~12000（rpm）	
Capacity（ml）	Diameter 1.5 * 75mm * 24 capillary Diameter 3 * 75mm * 24 capillary（optional）	
Time Range (min)	0-60min	
Maximum centrifugal force (xg)	15300 xg	
Voltage	220V 50HZ 110V 60HZ	
Package size	34*32*32cm	
Weight	10KG	

# Large volume Laboratory centrifuge

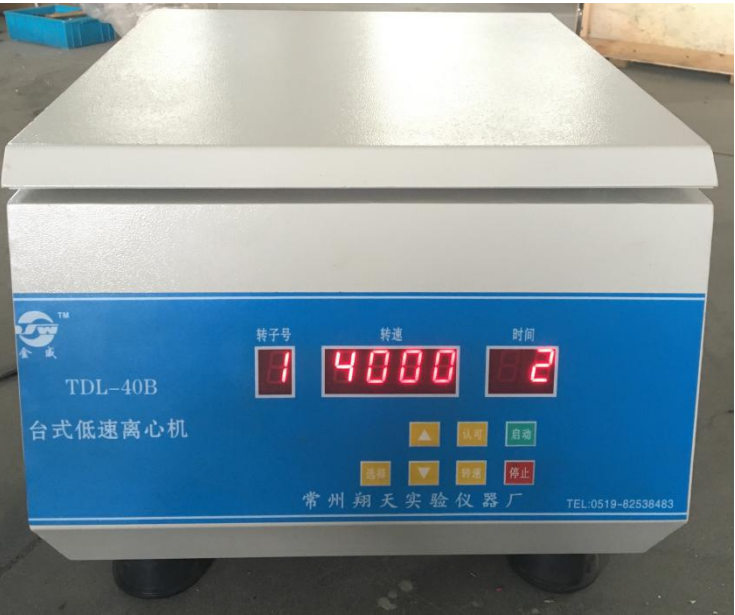


Low-Speed Large Capacity Desktop Centrifuge standard laboratory centrifuge, the instrument has large capacity, small temperature rise, low noise, easy operation and safe and reliable. Higher education, agricultural science and technology, is widely used in petroleum and chemical, biological, chemical, health and epidemic prevention, life science, biological products, pharmaceutical, environmental protection and so on various fields of the experimental teaching research.



Type No.	LD-4 / XYJ-A	TDL-5 digital display	TDL-40B touch key
Speed range	0~4000（rpm）		
Capacity（ml）	100ml*4 or 50ml*6 or 50ml*8		
Time Range（min）	0-120 min	0-60 min	0-999 min
Maximum centrifugal force（xg）	2770（xg）		
Voltage	220V 50HZ 110V 60HZ		
Package size	44*43*34 CM		
Weight	15 KG		

# Low Speed Large Capacity Centrifuge



Low Speed Large Capacity Centrifuge belongs to the conventional laboratory instrumentation, widely used in biology, chemistry, medicine and other scientific research and education and the production department, apply to radiation immune identification and separation of cells and big particles.

Type No.	TDL-40B	TDL-50B
Speed range	0~4000（rpm）	
Capacity（ml）	4*100ml、4*250ml、 4*500ml 、7ml*40 (optional)、6*50ml	10ml×16 50ml×8 100ml×4 250mlx4 500mlx4（optional）
Time Range (min)	0~99（min）	
Maximum centrifugal force (xg)	2790（xg）	2770 (xg)
Voltage	220V 50HZ	110V 50HZ
Package size	50*65*42cm	
Weight	35KG	

## Features

- 1, the casing is made of iron plate welded, the built-in protection steel bushing, concise and compact, light volume, low noise;
- 2, the use of advanced CPU control system, the microcontroller can be more accurate control speed, time and relative centrifuge;
- 3, stainless steel chamber, solid structure, suitable for continuous use, gas spring, easy open lid, automatic locking lid to ensure safety;
- 4, frequency conversion brushless motor, free maintenance, durable

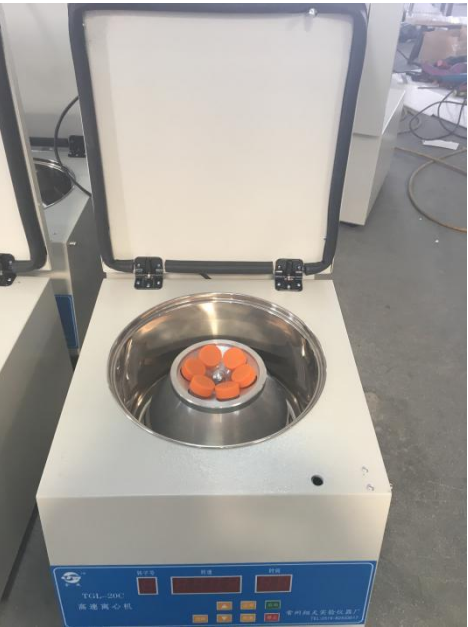
# High speed Large Capacity Centrifuge



Type No.	TDL-5A	TGL-20C
Speed range	0-5000 rpm	0-16000rpm
Capacity (ml)	250ml×4    15ml×28 100ml×4    20ml×16 (optional)	6*50ml
Time Range (min)	0～99 (min)	
Maximum centrifugal force (xg)	4390 (xg)	14500 (xg)
Voltage	220V 50HZ	110V 50HZ
Package size	50*58*44cm	50*44*57cm
Weight	43KG	30KG

TDL - 5A low-speed Large Capacity centrifuge is made of high quality cold plate forming, using brushless dc motor, the control part adopts microcomputer touch control, therefore has good appearance, low noise, small vibration, speed adjustable, timing, accurate, can be widely used in the occasion of centrifugal precipitation separation.

- TGL-20C tabletop high speed centrifuge 50ml\*6
- Brushless DC variable-frequency motor
- Stainless steel liner
- Angle rotor
- Intelligent instrument digital display



# High speed Large Capacity Centrifuge



Type No.	TDZ4A-WS	LX-201B
Speed range(rpm)	0~4000 (rpm)	0~5000(rpm)
Capacity(ml)	12×20ml、12×10ml、18×10ml 、 4×50ml <u>Four kinds of angle rotor arbitrary choice</u>	10ml×20 200ml×4 50ml×8 10ml×36 250ml×4 (Optional)
Maximum centrifugal force(xg)	2200 (xg)	3850 (xg)
Power supply	220V 50HZ	110V 60HZ
Time range(min)	0~99 (min)	
Noise	≤60dB (A)	/
Ambient temperature	/	RT-80℃

## TDZ4-WS Centrifuge feature

- 1.Microprocessor control, brushless DC motor, touch panel.
- 2.Adopting special vibration absorber, the damping effect is good, and has the function of automatic balance.
- 3.Stainless steel inner cavity

## LX-201B Centrifuge feature

Horizontal rotor, with speed adjusting device, with automatic timing function

- 1.Pieces of microcomputer control, touch panel, digital display.brushless DC motor,
- 2.With heating, constant temperature function, can satisfy the demands of customers to sample the experiment.
- 3.Mixer adopts frequency control of motor speed, greatly improving the stability of the instrument.
- 4.Set RCF key pieces, observe the centrifugal force, can be arbitrary change in the operation of the parameters

# Vertical high-speed refrigerated centrifuge



Vertical high-speed refrigerated centrifuge LABS are most often used in a large number of primary separation of biological macromolecules, sediment, etc, its turn a multi-purpose aluminum alloy has a flat type and horny type two kinds, centrifugal tube with glass, polyethylene hard plastic and stainless steel pipe many types. Centrifuge assembly has a drive motor, timer, regulator (instructions) and refrigeration system, according to the centrifugal material needs, change of different capacity and different type of turn of speed.

Rotor Number	Max Speed	Maximum centrifugal force	Capacity	Temperature range
horn rotor	16000r/min	17800xg	12×1.5ml	-20-40℃
2 horn rotor	13000r/min	11400xg	8×5ml	
3 horn rotor	12000r/min	14800xg	12×10ml	
4 horn rotor	11000r/min	12000xg	6×50ml	
5 horn rotor	6000r/min	3200xg	4×15ml	
6 horn rotor	3000r/min	1400xg	2×2×48 holes	
7 horn rotor	13000r/min	15000xg	12×1.5ml	
8 horn rotor	10000r/min	13980xg	4×50ml	
9 horn rotor	8000r/min	9600xg	4×100ml	
10 horn rotor	13500r/min	17000xg	36×1.5ml	

The specific requirements and parameters according to customer needs to be modified

Power supply:220V 50HZ 110V 60HZ

Weight:85kg

Package Size:65\*60\*80cm

# Vertical high-speed refrigerated centrifuge



High-speed refrigerated centrifuge LABS are most often used in a large number of primary separation of biological macromolecules, sediment, etc, its turn a multi-purpose aluminum alloy has a flat type and horny type two kinds, centrifugal tube with glass, polyethylene hard plastic and stainless steel pipe many types. Centrifuge assembly has a drive motor, timer, regulator (instructions) and refrigeration system, according to the centrifugal material needs, change of different capacity and different type of turn of speed.

Rotor Number	Max Speed(rpm)	Maximum centrifugal force	Capacity
1horn rotor	16000rpm	17800xg	12*1.5ml
2horn rotor	13000rpm	11400xg	10*5ml
3horn rotor	12000rpm	14800xg	12*10ml
4horn rotor	11000rpm	12000xg	6*50ml
5Horizontal rotor	6000rpm	3200xg	4*10ml
6Enzyme labeled rotor	3000rpm	1400xg	2*2*48holes
7horn rotor	13000rpm	15100xg	24*1.5/2.2ml
8horn rotor	12000rpm	13980xg	4*50ml

The specific requirements and parameters according to customer needs to be modified

Power supply:220V 50HZ 110V 60HZ

Time range: 0-99min

Temperature range: -20~40℃

# Plastic shell centrifuge

The centrifuge chassis, cover door adopt high strength engineering plastic, has small volume, light weight, large capacity, low noise, high efficiency, etc. Widely used in biology, chemistry, medicine and other scientific research and education and production department.

**80-2A (LC-04A)**



Max.speed	4000rpm Digital
Capacity	12×20ml
Power supply	220V 50Hz 110V 60Hz
Timer	0~60min
Package Size	35*34*36cm
G.W./N.W.	10/9kg

**80-2B(LC-04B /KA-1000)**



Max.speed	4000rpm Pointer
Capacity	12×20ml
Max.R CF	2325xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~60min
Package Size	35*34*36cm
G.W./N.W.	10/9kg

**80-2C (LC-04C)**



Max.speed	4000rpm Touch key
Capacity	12×20ml
Max.R CF	2325xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~99min
Package Size	35*34*36cm
Motor	Brushless
G.W./N.W.	10/9kg

**90-3**



Max.speed	4000rpm Pointer
Capacity	12×10ml
Max.R CF	2325xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~60min
Package Size	35*34*36cm
G.W./N.W.	10/9kg

**90-4 (TDL90-5)**



Max.speed	4000rpm Pointer
Capacity	18×15ml
Max.R CF	2325xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~60min
Package Size	35*34*36cm
G.W./N.W.	10/9kg

**Feature:**

- 1. With balance protection device
- 2. Digital display speed and running time
- 3. Equipped with safety switch and mechanical lock
- 4. Touch panel control, easy to operate
- 5. Maintenance-free brushless motor drive, microcomputer control (optional)

# Plastic shell centrifuge

## TDL-50C



Max.speed	5000rpm Touch key
Capacity	8×20ml
Max.R CF	3800xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~99min
Package Size	35*34*36cm
Power	250W
G.W./N.W.	10/9kg

## TDL-60C



Max.speed	6000rpm Touch key
Capacity	12×15ml
Max.R CF	5200xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~99min
Package Size	35*34*36cm
Motor	Brushless (optional)
Power	350W
G.W./N.W.	10/9kg

## Blood centrifuge

The blood centrifuge wide speed range, high precision. For accurate determination of blood cells than the product value, but for the separation of trace blood or solution. Take blood volume small and large quantity, easy to take blood, centrifugal time is short, accurate detection, easy to use, high working efficiency, and is equipped with a mechanical lock, safe and reliable. (microcomputer control, automatic balance, brushless motor drive(**optional**), free maintenance, no carbon dust pollution)

## SH120



Max.speed	12000rpm
Capacity	24tubes, $\Phi$ 1.5mm×75 mm ( 24pcs capillary pipe )
Max.R CF	15300xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~60min
Package Size	35*34*36cm
Motor	Brushless (optional)
Power	185W


## SH120-II




Max.speed	12000rpm
Capacity	24tubes, $\Phi$ 1.5mm×75 mm ( 24pcs capillary pipe )
Max.R CF	15300xg
Power supply	220V 50Hz 110V 60Hz
Timer	0~99min
Package Size	35*34*36cm
Motor	Brushless
Power	250W

# High speed centrifuge

Suitable for experiments and researches of biology, pharmacology and agriculture. This type of centrifuge used high strength project plastic made, with mechanical door lock, beautiful sculpt, low noise, high efficiency, stepless speed adjustment, Pointer show speed.

型号 Model	TGL-16		<b>Product features:</b> ①The frame of this instrument is made of high strength plastic. ②With mechanical door lock. ③Stepless speed adjustment, Pointer show speed.
电源 Voltage	220V 50Hz/110 60Hz		
容量 Rotor capacity	1.5ml*12 (angle rotor)		
最大离心力 Max RCF	17000xg		
调速范围 Speed range	0-16000rpm/min		
定时 Timer	0-60min		
包装尺寸 Packing size	35*34*36cm		
毛净重 G. W. /N. W.	10/9kg		

Description	Max speed	Rotor capacity	Max RCF
Optional rotor	16000rpm/min	1.5ml*12 and 5ml*6	17000xg
Optional rotor	16000rpm/min	1.5ml*12 and 0.5ml*12	17000xg

型号 Model	TGL-16C		<b>Product features:</b> ①The frame of this instrument is made of high strength plastic. ②With mechanical door lock. ③Controlled by microcomputer, automatically balanced, driving by brushless electricity machine, without maintenance, no carbon pollution.
电源 Voltage	220V 50Hz/110 60Hz		
容量 Rotor capacity	1.5ml*12 (angle rotor)		
最大离心力 Max RCF	17000xg		
调速范围 Speed range	0-16000rpm/min		
定时 Timer	0-99min		
包装尺寸 Packing size	35*34*36cm		
毛净重 G. W. /N. W.	10/9kg		

Description	Max speed	Rotor capacity	Max RCF
Optional rotor	16000rpm/min	1.5ml*12 and 5ml*6	17000xg
Optional rotor	16000rpm/min	1.5ml*12 and 0.5ml*12	17000xg

