



LABORATORY LINES

CENTRIFUGES



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Low Speed Centrifuge

Model YR134-1



In almost every field of science and chemistry, centrifuges are an important and fundamental element in any laboratory. Their main function is to separate sample solutions according to their weight and other factors. Nowadays, centrifuges are far more than just a motor spinning around. Centrifuges are available in different sizes, speed and configuration. The separation process happens when the device creates a great amount of force turns the object, many times greater than gravity. That accelerates the natural separation process when a sample has particles with different densities.

Speed Centrifuge

The centrifuge process consists in separating particles from a solution according to their size, shape, density and viscosity. The centrifugal force is a very crucial technique in biochemistry or biotechnology. In this case, we are presenting you the low-speed refrigerated model that meets your research needs. Low-speed centrifuges are very common when it comes to routine sedimentation of heavy particles such as red blood cells until the particles are tightly packed into a pellet and supernatant goes through a decantation process.

Low speed centrifuge

This low speed centrifuge's max RCF is 1790g and its maximum

speed is 4000rpm. About the control system, this YR134-1 has an elegant shape with an ABS housing, which enhances the durability and makes the cleaning process a lot easier. One of the great features is that the machine can stop running with the open lid, which ensures a safe running. This is a great quality model so the noise is very minimum and it has the stability you need. Another great feature is that the last operation's data can be stored. In addition, the speed and time can be set according to demands.

About this model's capacity, you should know that the maximum is 15mlx6. The temperature setting is from -20 to 40 degrees Celsius. The power supply is AC220V 50Hz and the external dimensions are (LxWxH) 270mmx270mmx240mm with a net weight of 5Kg.

Technical performance

- ✓ Elegant shape, ABS housing, long service life and easy to clean.
- ✓ The machine can stop running with the lid open. This can ensure a safe running. It runs quietly and stably.
- ✓ The speed and time can be set according to demands. The data of the last operation can be stored..



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Low Speed Centrifuge Model YR134-1



NO.1
Capacity: 5/7ml×12
Speed: 4000r/min
Centrifugal force: 2250×g

Specification

Max Speed	4000r/min
Max RCF	1790xg
Rotor Capacity	15mlx6 / 7mlx12 (Non replaceable)
Speed Accuracy	± 30r/min
Time Setting	1min~60min
Noise	<60dB(A)
Power Supply	110V/60Hz, 220V/50Hz
Dimension(LxWxH)	270mmx270mmx240mm
Packing Size(LxWxH)	320mmx320mmx280mm
Net Weight	5kg



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Low Speed Centrifuge

Model YR0132-1



In almost every field of science and chemistry, centrifuges are an important and fundamental element in any laboratory. Their main function is to separate sample solutions according to their weight and other factors. Nowadays, centrifuges are far more than just a motor spinning around. Centrifuges are available in different sizes, speed and configuration.

Speed centrifuge

The centrifuge process consists in separating particles from a solution according to their size, shape, density and viscosity. The centrifugal force is a very crucial technique in biochemistry or biotechnology. In this case, we are presenting you the low-speed refrigerated model that meets your research needs. Low-speed centrifuges are very common when it comes to routine sedimentation of heavy particles such as red blood cells until the particles are tightly packed into a pellet and supernatant goes through a decantation process.

Low speed centrifuge

This low speed tabletop centrifuge's max RCF is 2220g and its maximum speed is 4000rpm. About the control system, this YR0132-1 model runs with a microcomputer control, a DC brushless motor, with a stable operation feature, it makes minimum noise and it has a high-speed accuracy. Another great feature is that this is a programmable machine, so the operation data can be automatically stored. It also has a LED display with a touching panel, which makes the operation a lot easier. Other great features about this low speed centrifuge are:

- ✓ Self-locking device.
- ✓ Over-speed safety device.
- ✓ Over temperature safety device.
- ✓ Imbalance safety device.
- ✓ Automatic alarm device.

The real-time conversation of speed and RCF is very convenient for operation. About this model's capacity, you should know that the maximum is 20mlx12. The power supply is AC220V 50Hz 5A and the external dimensions are (LxWxH) 330mmx420mmx280mm with a net weight of 14Kg.

Technical performance

- ✓ Microcomputer control, DC brushless motor, stable operation, low noise and high speed accuracy.
- ✓ Touch panel, programmable operation, operation data can be set according to demands and stored automatically.
- ✓ LED display, user-friendly interface, simple and convenient operations.
- ✓ The real-time conversation of Speed and RCF is convenient for operation.
- ✓ It has self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.



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Low Speed Centrifuge

Model YR0132-1



Tabletop Low Speed Centrifuge

Model:	YR0132-1
Max speed:	4000rpm
Max RCF:	2220xg
Max capacity:	20mlx12
Speed accuracy:	± 30rpm
Time setting:	1min~99min
Noise:	<60dB(A)
Power supply:	AC220V 50Hz 5A
Dimension(LxWxH):	330mmx420mmx280mm
Packing size(LxWxH):	430mmx520mmx390mm
Net weight:	14kg

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Low Speed Centrifuge

Model YR0132-1

Rotors:

	<p>NO.1 Capacity: 10/15ml×12 Speed: 4000r/min Centrifugal force: 2220×g 1.5ml, 5ml 5ml/7ml</p>		<p>NO.1 Capacity: 7ml×12 Speed: 4000r/min Centrifugal force: 2220×g 5ml/7ml</p>
	<p>NO.1 Capacity: 7ml×24 Speed: 4000r/min Centrifugal force: 2220×g 5ml/7ml</p>		<p>NO.1 Capacity: 7ml×18 Speed: 4000r/min Centrifugal force: 2220×g 5ml/7ml</p>
	<p>NO.1 Capacity: 50ml×4 Speed: 4000r/min Centrifugal force: 2220×g 15ml, 20ml, 5ml/7ml</p>		<p>NO.1 Capacity: 20ml×12 Speed: 4000r/min Centrifugal force: 2220×g 5ml, 10ml, 5ml/7ml</p>
	<p>NO.1 Capacity: 50ml×6 Speed: 4000r/min Centrifugal force: 2220×g 5ml, 10ml 5ml/7ml</p>		<p>NO.1 Capacity: 10ml×24 Speed: 4000r/min Centrifugal force: 2220×g 1.5ml, 5ml 5ml/7ml</p>
	<p>NO.1 Capacity: 10ml×18 Speed: 4000r/min Centrifugal force: 2220×g 1.5ml, 5ml 5ml/7ml</p>		<p>NO.2 Capacity: 15ml×8 Speed: 4000r/min Centrifugal force: 2220×g 1.5ml, 5ml, 10ml 5/7ml</p>



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Microhematocrit centrifuge

Model YR134-2



Centrifuges are used in almost every field of science and chemistry. They are a fundamental and important element in any laboratory. Their main function is to separate sample solutions according to their weight and other factors. Nowadays, centrifuges are far more than just a motor spinning around. Centrifuges are available in different sizes, speed and configuration. Centrifuges apply centrifugal force to separate suspended particles from a liquid or to separate liquids of different densities.

Microhematocrit centrifuge

Microhematocrit is a very useful procedure for determining the ratio of the volume of packed red blood cells to the volume of whole blood by centrifuging a quantity of blood. Microhematocrit centrifuges are very common when it comes to diagnose blood loss, polycythemia (an elevation of the erythrocyte count to above-normal levels), anemia, bone marrow failure, leukemia, and multiple myeloma. The microhematocrit centrifuge can quickly attain to a speed of 11000rpm or more.

Microhematocrit centrifuge parts and uses

This low speed tabletop centrifuge's max RCF is 13500g and its maximum speed is 12000rpm. About the control system, this YR134-2 model runs with a microcomputer control, a DC brushless motor, with a stable operation feature, it makes minimum noise and it has a high-speed accuracy. This means that this model meets up the environmental standards. Another great feature is that this is a programmable machine, so the operation data can be automatically stored. It also has a LED display

with a touching panel, which makes the operation a lot easier. Other great features about this low speed centrifuge are:

- ✓ Self-locking device.
- ✓ Over-speed safety device.
- ✓ Over temperature safety device.
- ✓ Imbalance safety device.
- ✓ Automatic alarm device.

The real-time conversation of speed and RCF is very convenient for operation. About this model's capacity, you should know that the maximum is 24 pieces of capillaries. The power supply is AC220V 50Hz 5A and the external dimensions are (LxWxH) 230mmx310mmx240mm with a net weight of 9Kg.

Technical performance

- ✓ Microcomputer control, brushless DC motor, stable operation, low noise, high speed accuracy.
- ✓ Touch panel, programmable operation, operation data can be stored automatically.
- ✓ LED display, user-friendly interface, simple and convenient operation.
- ✓ The real-time conversation of Speed and RCF is convenient for operation.
- ✓ It has self-locking device, over-speed safety device, and automatic alarm device, etc.



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Microhematocrit centrifuge

Model YR134-2



Microhematocrit Centrifuge

Model:	YR134-2
Max speed:	12000r/min
Max RCF:	13500xg
Max capacity:	24 pieces of capillaries
Speed accuracy:	±30r/min
Time Setting:	1min~99min
Noise:	<65dB(A)
Power Supply:	AC220V 50Hz 5A
Dimension(LxWxH):	230mmx310mmx240mm
Packing Size(LxWxH):	290mmx400mmx330mm
Net Weight:	9kg

Rotor



Rotor Capacity: 24 pieces of capillaries
Max Speed: 12000r/min
Max RCF: 13500xg



Rotor for: 12 pieces of capillaries
Max Speed: 12000r/min
Max RCF: 13500xg



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PRP Centrifuge Model YR469



Features;

- ✓ Microcomputer control, DC brushless motor, stable operation, low noise and high-speed accuracy.
- ✓ LED or LCD display. user-friendly interface, simple and convenient operations.
- ✓ Special program is made for PRP kit.
- ✓ LED or LCD display. user-friendly interface, simple and convenient operations.
- ✓ Various of PRP kit is available.
- ✓ Special program is made for PRP kit.
- ✓ The real-time conversation Of Speed and RCF is convenient for operation.

Technical performance

- ✓ Microcomputer control, DC brushless motor, stable operation, low noise and high-speed accuracy.
- ✓ It has self-locking device, lid safety device, over-speed safety device, and automatic alarm device, etc.
- ✓ Silastic sealed ring comfort to GMP.US FDA certified.

The PRP operation Demo



Blood collection
Transfer blood to
PRP Kit



Put PRP kit into the rotor



From the bottom to the top:
Red blood cell, PRP and plasma



PRP extraction



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PRP Centrifuge Model YR469



Specification	YR469	YR469-1
Max Speed	5000r/min	4000r/min
Max RCF	4100xg	2220xg
Max Capacity	50mlx4	50mlx4
Speed Accuracy	± 30r/min	±30r/min
Time Setting	1min~99min	1min~99min
Noise	<65dB(A)	<65dB(A)
Power Supply	AC220V 50Hz 10A	AC220V 50Hz 5A
Dimension(LxWxH)	410mmx490mmx310mm	330mmx420mmx280mm
Packing Size(LxWxH)	500mmx580mmx400mm	430mmx520mmx390mm
Net Weight	22kg	14kg

Rotor



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Portable Centrifuge

Model YR142-6



YR142-6 Portable Centrifuge

Kalstein's Low Speed Centrifuge is portable design and has low noise. ✓

It is popular with clinic, research and university.

Technical performance

- . Microcomputer control, brushless motor.
- . It is programmable and has LED display.
- . It has speed/RCF switch easily.
- . There are lid safety device, speed safety device errors detection.
- . ABS housing make the clean easy.
- . Silastic sealed ring comfort to GMP.US FDA certified.

Low-speed centrifuge installation requirements

- ✓ Low-speed centrifuge uses brushless DC motor,

maintenance-free.

- ✓ One-piece electronic lock: to avoid injury to the experimental environment and experimental personnel when the centrifuge is running.
- ✓ Intelligent control, touch panel, intuitive digital display, can directly set parameters such as rotation speed and time, and is convenient to use.
- ✓ The low-speed centrifuge body adopts high-quality steel structure, stainless steel centrifugal cavity, durable, easy to clean.
- ✓ The main application scope of low-speed centrifuges is: the new drug research and development unit tests the heart of SD rat blood, the drug purification, and the powder in the centrifugal liquid of the Chinese medicine decoction pieces.



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Portable Centrifuge Model YR142-6



Specification

Max Speed	4000r/min
Max RCF	1980xg
Max Capacity	15mlx6
Speed Accuracy	± 30r/min
Time Setting	1min~99min
Noise	<65dB(A)
Power supply	110V/60Hz, 220V/50Hz
Dimension(LxWxH)	310mmx260mmx220mm
Packing size(LxWxH)	370mmx320mmx280mm
Net weight	14kg

Rotor

No.1



Rotor Capacity: 7mlx12 10mlx12
Max Speed: 4000r/min
Max RCF: 1980xg

No.2



Rotor Capacity: 15mlx6 15mlx8
Max Speed: 4000r/min
Max RCF: 1980xg



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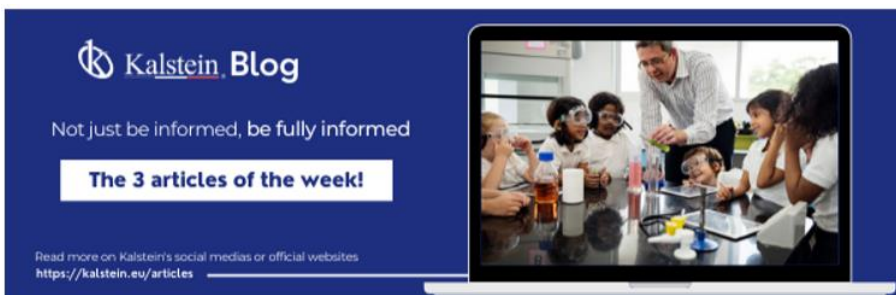
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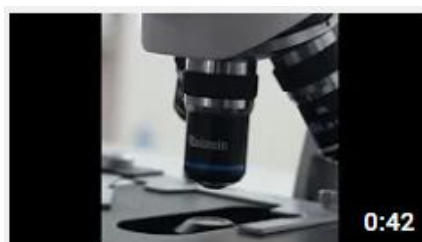
2
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