



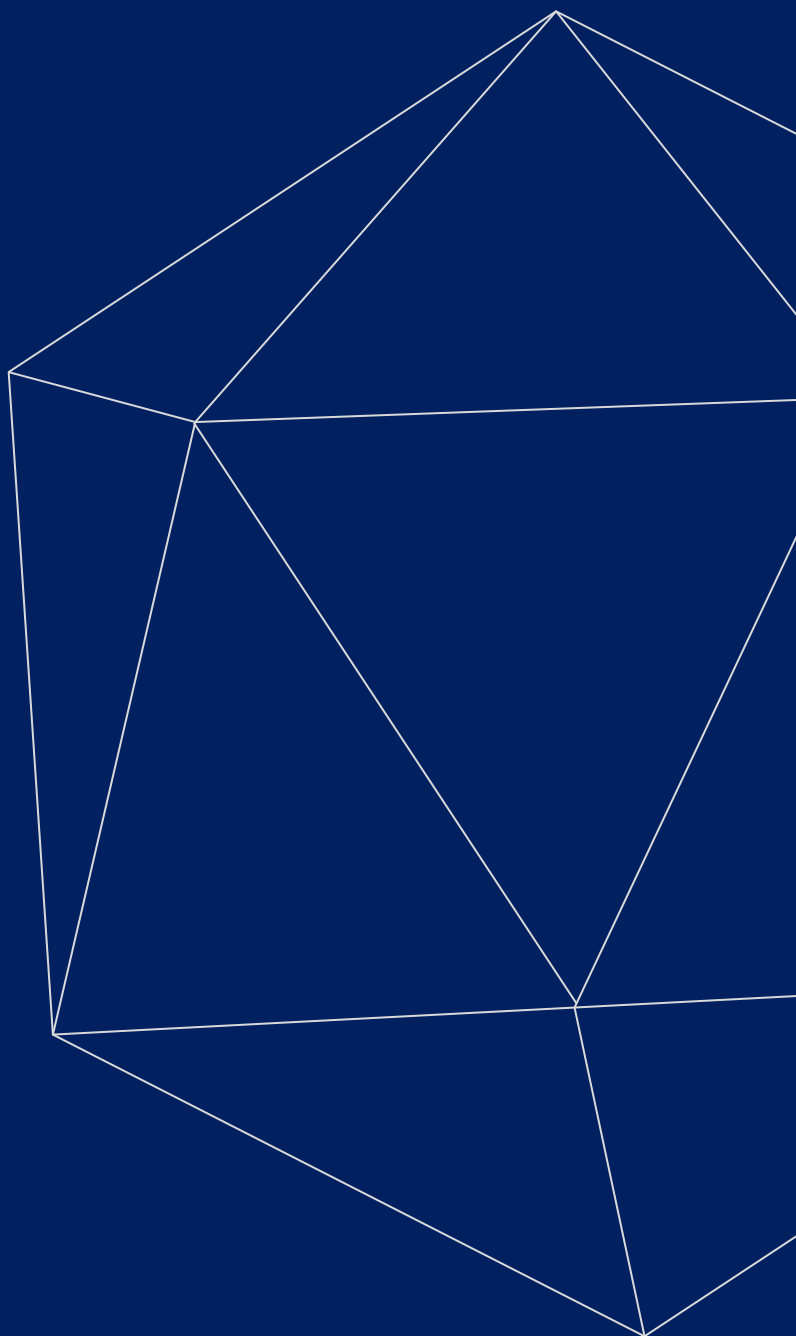
LABORATORY LINES

CENTRIFUGES



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KALSTEIN® Centrifuge

High Speed Refrigerated Centrifuge

YR117-1



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

Refrigerated 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 floor-standing model that meets your research needs.

High Speed Refrigerated Centrifuge

In this case, we present you with two models: the YR0117 and YR0117-1. Both models are centrifuges used to collect microorganisms and cellular samples. These high-speed centrifuges' max RCF is 19830g and their maximum speed is 12000rpm. About the control system, both models run with a microcomputer control, an electronic lock and an AC variable-conversion motor, which delivers high torque.

These refrigerated centrifuges work with an imported compressor unit that runs with a non-CFC refrigerant. This means that these models meet up the environmental standards. Another great feature is that these are programmable machines, so the operation data can be automatically stored. The YR0117 model comes with a LCD screen, and the YR0117-1 with a LED display with a touching panel, which makes the operation a lot easier. Other great features about these high-speed refrigerated centrifuges 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. Finally, these models have 10 acceleration and deceleration level files for you to choose.



About these models' capacity, you should know that the maximum is 2000mlx4. The temperature setting is from -20 to 40 degrees Celsius. The power supply is AC220V 50Hz 30A and the external dimensions are (LxWxH) 710mmx840mmx1200mm with a net weight of 300Kg.

Technical Performance

- ✓ The max speed is 12000rpm, and max capacity is 2000mlx4
- ✓ It has micro-computer control, electronic lock and AC variable-conversion motor which delivers high torque.
- ✓ Imported compressor unit with Non-CFC Refrigerant. It measures up to environmental standards.
- ✓ The machine is programmable. The operation data can be stored automatically.
- ✓ YR117 has LCD and YR117-1 has LED display. Touching panel makes the operation easy.
- ✓ The real-time conversation of Speed and RCF is convenient for operation.
- ✓ It has self-locking device, over-speed safety device, over-temperature safety device, imbalance safety device and automatic alarm device



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KALSTEIN® Centrifuge
High Speed Refrigerated Centrifuge
YR117-1



It is the same used by a centrifuge, an instrument capable of generating centrifugal force, to separate mixtures in a laboratory.

Centrifugation works by pushing the densest components of the mixture towards the point furthest from the axis of rotation and leaving the least dense at the closest point. This technique is in daily use by chemists, biologists, and other scientists. In other words, centrifugation forces the mixture to undergo a rotary movement with a force of greater intensity than the gravitational force, causing the solid or particles of higher density to settle.



Floor-standing High -Speed Refrigerated Centrifuge

Model:	YR117	YR117-1
Max speed:	12000r/min	12000r/min
Max RCF:	19830xg	19830xg
Max capacity:	2000mlx4	2000mlx4
Speed accuracy:	± 50r/min	± 50r/min
Time setting:	1min~99h59min	1min~99h59min
Temperature Setting:	-20 ~ +40°C	-20 ~ +40°C
Temperature Accuracy:	±1°C	±1°C
Compressor Unit:	French Tecumseh Compressor Unit, R404a	
Noise:	<65dB(A)	<65dB(A)
Power supply:	AC220V 50Hz 30A	AC220V 50Hz 30A
Dimension(LxWxH):	710mmx840mmx1200mm	710mmx840mmx1200mm
Packing size(LxWxH):	890mmx960mmx1450mm	890mmx960mmx1450mm
Net weight:	300kg	300kg



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KALSTEIN® Centrifuge
High Speed Refrigerated Centrifuge
YR117-1



Accessories Center

	<p>NO.1 Capacity: 100ml×8 Speed: 12000r/min Centrifugal force: 19830×g 10ml, 20ml</p>		<p>NO.2 Capacity: 1000ml×6 Speed: 7000r/min Centrifugal force: 11600×g 100ml, 250ml, 300ml, 500ml</p>
	<p>NO.3 Capacity: 2000ml×4 Speed: 6000r/min Centrifugal force: 8410×g 250ml, 300ml, 500ml, 1000ml</p>		<p>NO.4 Capacity: 500ml×6 Speed: 8000r/min Centrifugal force: 11620×g 50ml, 100ml, 250ml</p>



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