



LABORATORY LINES

CENTRIFUGES



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Low Speed Refrigerated Centrifuge

Model YR124 & YR124-1



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 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.

In this case, we present you with one model: the YR124 and YR124-1. These models' centrifuges are used to collect microorganisms and cellular samples. These high-speed centrifuges' max RCF is 3780g and their maximum speed is 5000rpm. About the control system, both models run with a microcomputer control, an electronic lock and an AC variable-conversion motor, which delivers high torque.

The refrigerated centrifuge YR124 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. Both models come with a LED screen, 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 capacity is 750mlx4. The temperature setting is from -20 to 40 degrees Celsius (Only for the model YR124). The power supply is AC220V 50Hz 30A and the external dimensions are (LxWxH) 650mmx710mmx1100mm with a net weight of 170Kg for the YR124 model.



Technical performance

- ✓ It has micro-computer control, electronic lock and AC variable-conversion motor which delivers high torque.
- ✓ The machine is programmable.
- ✓ The operation data can be stored automatically. LED display and the 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.
- ✓ It has 10 files of acceleration and deceleration level for your choice.
- ✓ Silastic sealed ring comfort to GMP, US FDA Certified.



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Low Speed Refrigerated Centrifuge

Model YR124 & YR124-1



Specification		
Model	YR124	YR124-1
Max Speed	5000r/min	
Max RCF	3780xg	
Max Capacity	750mlx4	
Speed Accuracy	± 50r/min	
Time Setting	1min~99min	
Temperature Setting	-20 ~ +40°C	/
Temperature Accuracy	± 1°C	/
Compressor Unit	French Tecumseh Compressor Unit, R404a	/
Noise	<65dB(A)	
Power supply	110V/60Hz, 220V/50Hz	
Dimension(LxWxH)	650mmx710mmx1100mm	
Packing size(LxWxH)	740mmx830mmx1300mm	
Net weight	170kg	140kg

Rotor:

<p>No.1</p>  <p>Max Speed: 4000r/min Max RCF: 3780xg</p>	 <p>7ml(RIA Tube)x37x4 Adapters+Bucket</p>	 <p>7ml(Vacuum Tube)x24x4 Adapters+Bucket</p>
<p>No.2</p> 	<p>Rotor Capacity: 50mlx6 Max Speed: 5000r/min Max RCF: 3780xg Adapters: 15ml, 20ml</p>	



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Rotor:

No.3



Rotor Capacity: 750mlx4
Max Speed: 4000r/min
Max RCF: 3780xg



750ml Bucket



750ml Bottle

 1.5mlx24x4	 5ml/7mlx24x4 Blood Vacuum Tube	 5ml/7mlx37x4 GRIA Tube
 10mlx20x4 Internal Thread	 15mlx14x4	 20mlx12x4
 50mlx5x4	 100mlx3x4	 250mlx4
 300mlx4	 500mlx4	

No.3



Rotor Capacity: 500mlx4
Max Speed: 4000r/min
Max RCF: 3780xg



500ml Bucket




500ml Bottle


 1.5mlx20x4	 5ml/7mlx20x4 Blood Vacuum Tube
 10mlx15x4 Internal Thread	 15mlx8x4
 20mlx9x4	 50mlx4x4
 100mlx2x4	 250mlx4

<p>No.4</p>  <p>Rotor Capacity: 8x96 well Max Speed: 4000r/min Max RCF: 2200xg</p>	 <p>8x96 well Microplate Bucket</p>	<p>No.5</p>  <p>Rotor Capacity: 4x2x96 well Max Speed: 4000r/min Max RCF: 3040xg</p>	 <p>4x2x96 well Microplate Bucket</p>
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No.5



Rotor Capacity: 4 buckets
Max Speed: 4000r/min
Max RCF: 3040xg



Bucket

 1.5mlx25x4	 5mlx28x4 Blood Vacuum Tube	 10mlx20x4 Internal Thread
 15mlx10x4	 50mlx4x4	 250mlx4



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2
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refrigerator is a device that is one of the most common pieces of equipment used in laboratories. It is a controlled environment (refrigerated space), various fluids and substances

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