



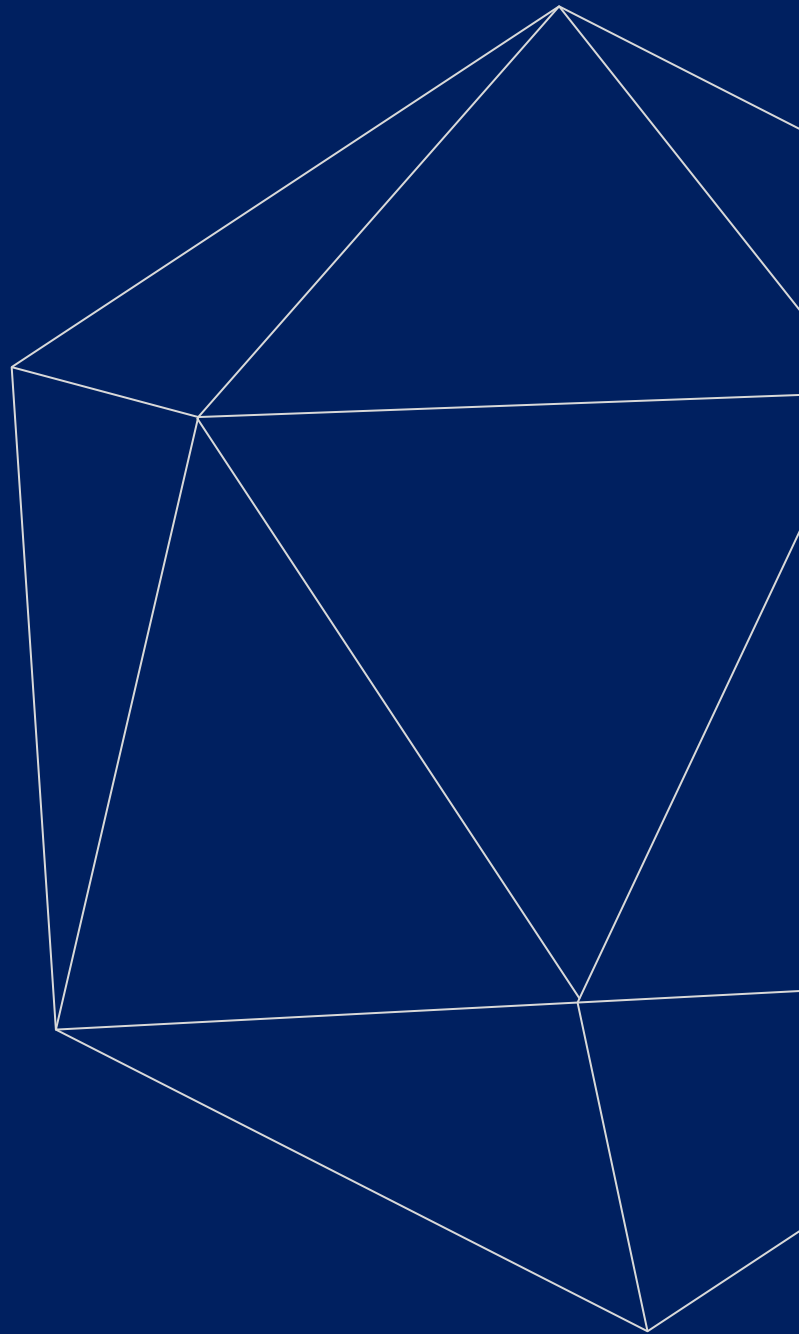
# LABORATORY LINES

## CENTRIFUGES



**Kalstein**®

A different accompaniment, at your service





# Kalstein®

A different accompaniment, at your service

OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



### Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



### Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



### #Letsgivemore ♥

Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



### Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



### Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



## Tabletop high speed centrifuge

### Model YR0146-2

Separating a sample is a very important part in every laboratory. That is why you need to have the centrifuge in order to get the appropriate results according to your needs. It is important that you know the amount of g-force and speed you need. We offer you the highest technology available.

#### 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 tabletop model that meets your research needs. This model provides the exact speed control when it comes to separating sample contents in clinical or lab researches. Despite the great quality and features, this model makes minimum noise.

#### High speed centrifuge

This high-speed centrifuge's max RCF is 23797g and its maximum speed is 18500rpm. About the control system, this YR0146-2 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 centrifuge works with French Tecumseh Compressor Unit, R404a. 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 or LCD display with a touching panel, which makes the operation a lot easier. Other great features about this high-speed refrigerated 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. Finally, this model has 9 acceleration and deceleration level files for you to choose.

About this model's capacity, you should know that the maximum is 100mlx4. The power supply is AC220V 50Hz 10A and the external dimensions are (LxWxH) 330mmx420mmx280mm with a net weight of 20Kg.



#### Technical Performance

- ✓ Microcomputer control, DC brushless motor, stable operation and low noise.
- ✓ Touching panel, programmable operation. The operation data can be set according to demands and stored automatically.
- ✓ LED Or LCD 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, over-speed safety device, and automatic alarm device, etc. It has 9 files of acceleration and deceleration level for your choice.



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## Tabletop high speed centrifuge

Model YR0146-2



Specification	YR0146-2	YR0146-1-1
Max Speed	18500r/min	16500r/min
Max RCF	23797xg	23669xg
Max Capacity	100mlx4	
Speed Accuracy	± 30r/min	
Time Setting	1min~99min	
Noise	<65dB (A)	
Power supply	110V/60Hz, 220V/50Hz	
Dimension(LxWxH)	330mmx420mmx280mm	
Packing size(LxWxH)	430mmx520mmx390mm	
Net weight	25kg	



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## Tabletop high speed centrifuge

Model YR0146-2



### Rotors:

<p>No.1</p> 	<p><b>Rotor Capacity:</b> 1.5ml/2.2mlx12  <b>Max Speed:</b>            18500r/min/16500r/min  <b>Max RCF:</b> 23797xg/18930xg  <b>Adapters:</b> 0.2ml, 0.5ml</p>	<p>No.2</p> 	<p><b>Rotor Capacity:</b> 5mlx10  <b>Max Speed:</b> 13000r/min  <b>Max RCF:</b> 11400xg  <b>Adapters:</b> 0.5ml, 1.5ml</p>	<p>No.2</p> 	<p><b>Rotor Capacity:</b> 5mlx12  <b>Max Speed:</b> 13000r/min  <b>Max RCF:</b> 11400xg  <b>Adapters:</b> 0.5ml, 1.5ml</p>
<p>No.3</p> 	<p><b>Rotor Capacity:</b> 10mlx12  <b>Max Speed:</b> 12000r/min  <b>Max RCF:</b> 14800xg  <b>Adapters:</b> 1.5ml, 5ml</p>	<p>No.3</p> 	<p><b>Rotor Capacity:</b> 15mlx8  <b>Max Speed:</b> 12000r/min  <b>Max RCF:</b> 14800xg  <b>Adapters:</b> 1.5ml, 5ml</p>	<p>No.4</p> 	<p><b>Rotor Capacity:</b> 50mlx6  <b>Max Speed:</b> 12000r/min  <b>Max RCF:</b> 13000xg  <b>Adapters:</b> 15ml, 20ml</p>
<p>No.4</p> 	<p><b>Rotor Capacity:</b> 100mlx4  <b>Max Speed:</b> 12000r/min  <b>Max RCF:</b> 13000xg  <b>Adapters:</b> 15ml, 20ml            It is customizable</p>	<p>No.5</p> 	<p><b>Rotor Capacity:</b> 10mlx4  <b>Max Speed:</b> 6000r/min  <b>Max RCF:</b> 3200xg</p>	<p>No.6</p> 	<p><b>Rotor Capacity:</b> 2x48 well  <b>Max Speed:</b> 3000r/min  <b>Max RCF:</b> 1400xg</p>
<p>No.7</p> 	<p><b>Rotor Capacity:</b> 1.5ml/2.2mlx24  <b>Max Speed:</b> 13200r/min  <b>Max RCF:</b> 16110xg  <b>Adapters:</b> 0.2ml, 0.5ml</p>	<p>No.8</p> 	<p><b>Rotor Capacity:</b> 0.5mlx36  <b>Max Speed:</b> 16000r/min  <b>Max RCF:</b> 23669xg</p>	<p>No.8</p> 	<p><b>Rotor Capacity:</b> 0.5mlx48  <b>Max Speed:</b> 16000r/min  <b>Max RCF:</b> 23669xg</p>
<p>No.9</p> 	<p><b>Rotor Capacity:</b> 3x8x0.2ml PCR  <b>Max Speed:</b> 15000r/min  <b>Max RCF:</b> 13800xg</p>				



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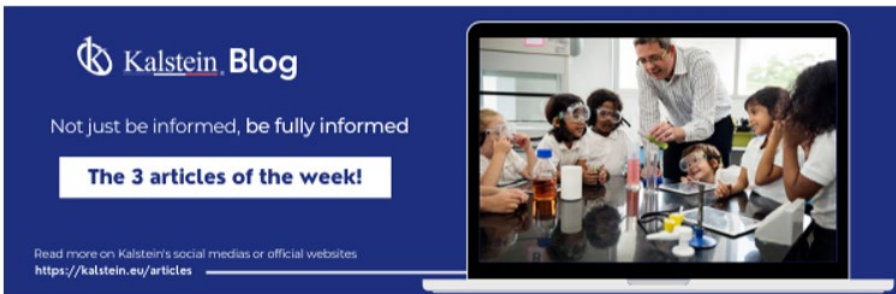
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**1**  
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**How does the climate affect your microscope?**  
A microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses and mirrors, which form

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How does the climate affect your microscope?

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**2**  
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**What is the importance of the laboratory refrigerator?**  
A refrigerator in a laboratory is one of the most important equipment. It is used to maintain, in a controlled environment (refrigerated space), various fluids and substances.

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What is the importance of the laboratory refrigerator?

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