



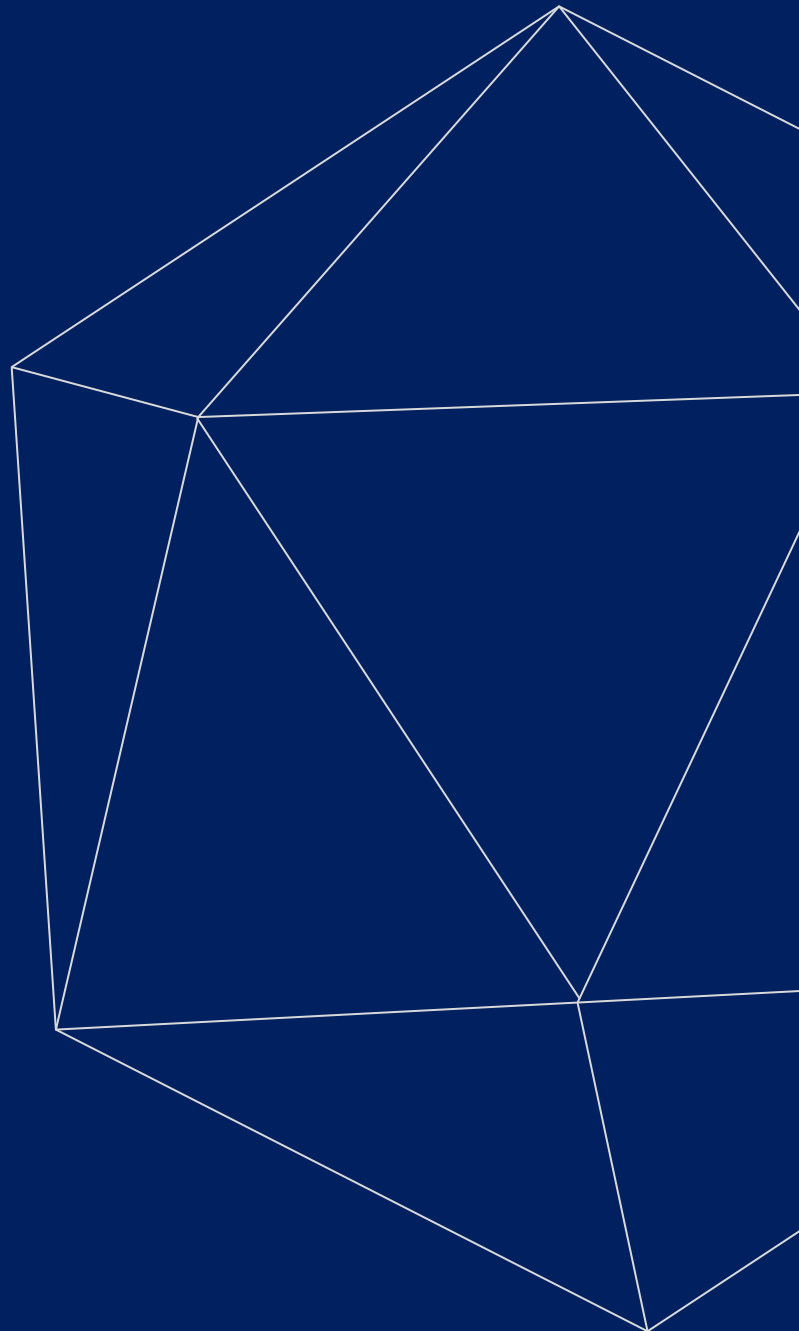
LABORATORY LINES

ULTRASONIC
HOMOGENIZER



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Ultrasonic Homogenizer

Model YR05015 // YR05020

CE

What does this equipment consist of?

It consists of an electric motor with the transmission shaft oriented vertically and connected to a cup-shaped rubber piece mounted slightly outside the center. The rubber part motor swings rapidly in a circular motion.

When a test tube or other appropriate container is pressed into the rubber cup (or its edge is touched), the movement is transmitted to the liquid inside and a vortex is created. Most vortex mixers have a variable speed setting and can be configured to run continuously, or to work only when pressure is applied down to the rubber part.

It is an ideal instrument to mix gently and achieve a resuspension of the cells and components of chemical and biological liquids in tubes through the use of an eccentric mechanism.

[Continue reading](#)

Product Description

- Single-chip technology + 4.3-inch TFT capacitive touch screen (optional 7-inch), optional computer communication or data printing;
- PID control, ultrasonic time, power can be set from 1% to 100%;
- Sample temperature detection frequency automatically tracking, and the fault is automatically alarmed;
- With overload protection function and the horn does not invade the liquid, it will automatically protect the horn from damage;
- Voice alarm if fault, over temperature or operation error.



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Ultrasonic Homogenizer

Model YR05015 // YR05020



Technical Specifications

Model	YR05015	YR05016	YR05017	YR05018	YR05019	YR05020
Power (Continuous)	1.5 – 150W	2-5 – 250 W	10 – 650 W	10 – 900 W	20 – 1 200W	50 – 1 800W
Mixing Capacity	0.1 – 150 ml	0.1 – 300 ml	0.1 – 500 ml	0.1 – 600 ml	1 – 1 000 ml	1 – 1 200ml
Optional Probe (mm)	Ø 2/3/8	Ø 2/3/8/10	Ø 2/3/10/12	Ø 2/3/10/12/15	Ø 3/6/10/15/22/25	Ø 3/6/10/15/20/25/28
Ultrasonic Setting Time	0.1 – 99.9s					
Single Stop Time	0.1 – 99.9s					
Total Time Setiing	1 – 99hrs 59min 59s					
Frequency Range	20 – 25 KHz				19.5 – 20.5KHz	
Temp Control Range	0 – 100 C (Can be customized)					
Alarm Functions	Time, Temperature, overload, no-load			Time, Temperature, overload, no-load, over temperature		
Probe (Standard)	Ø 6 (mm)				Ø 20 (mm)	Ø 22 (mm)
Display Mode	Touch Screen					
Data Storage	20 sets					
Voltage (Optional 110V)	220 V / 110 V / 50 Hz / 60 Hz					
Exterior Dimension	410 x 225 x 290 (mm)					
Optional Function	Computer + data printing function + soundproof cabinet lighting and sterilization					
Control Mode	Single Chip Microcomputer /TFT Touch Coontrol					
Voice Alarm and prompt function	Yes					



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Ultrasonic Homogenizer

Model YR05015 // YR05020



Laboratory homogenizer

A homogenizer is a very important device between the components of a laboratory, since it allows the homogenization of different types of materials; such as tissues, food, plants and other biological or chemical elements.

Homogenization is a very common step in the preparation of biological samples before analysis of nucleic acids and proteins, or of the study of cells, metabolism, pathogenic agents and many other objectives.

There are many models of laboratory homogenizers on the market. Next we will show you different models, tips and information so that your homogenizer is the most appropriate to your processes and feel satisfied with your acquisition.



[See the homogenizer available](#)

At Kalstein we present Homogenizers of the highest quality that will allow you to get much more reliable results in your laboratory



Emulsifying machine YR05013 // YR05014

The series of emulsifying machines YR is suitable for mixing low, medium and high viscosity liquids in the laboratory, can cut and emulsify granular material into liquid medium.

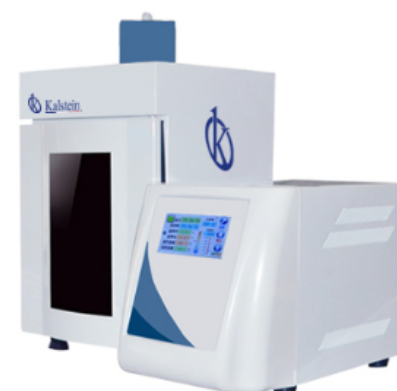
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Agitation Head YR05008 // YR05012

The YR series of homogenizers is suitable for mixing low, medium and high viscosity liquids in the laboratory, can disperse and homogenize particles, tissues and cells in the middle ...

[Request a quote](#)



Ultrasonic Homogenizer YR05015 // YR05020

Ultrasonic homogenizers are powerful tools to mix and homogenize solid-liquid and liquid-liquid suspensions. Ultrasonic homogenization is a process ...

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Ultrasonic Homogenizer

Model YR05015 // YR05020



In Kalstein you can find homogenizers for your laboratory

In Kalstein we have an excellent range of homogenizers. That's why we invite you to take a look at the "Products" menu.



Fluidizing-bed homogenizer

This type of homogenizer operates with a process in which a fluid ascending current can be liquid, gas or both, suspends the solid particles; which behave like a fluid ...



Homogenizer rotor-stator

They have a system designed to achieve an excellent homogenization due to a rotor with edge slats that rotates in a stationary state at high speed having holes, where the fluid is moved ...



Ultrasonic homogenizer

It offers a mechanical process in which particles are reduced in a liquid, with the purpose of obtaining uniformity in its size and distribution (improving the stability of the product). This type of homogenizers are in the market so much ...

What is your ideal laboratory homogenizer?

There are innumerable models, so it is normal that you do not know which homogenizer to buy to meet your needs. In Kalstein, we evaluate them to find what you are looking for.

What is a laboratory homogenizer? - Kalstein

The vortex mixer or homogenizer was invented by the Kraft brothers (Jack A. Kraft and Harold D. Kraft) while working for Scientific Industries (a laboratory equipment manufacturer). The patent was filed by the Kraft brothers on April 6, 1959 and was granted on October 30, 1962. The company...

[Continue reading](#)

What is the function of a laboratory homogenizer?

A homogenizer is a very important device among the components of a laboratory, since it allows the homogenization of different types of materials; such as tissues, food, plants and other biological or chemical elements. Homogenization is a very common step in the preparation of biological samples...

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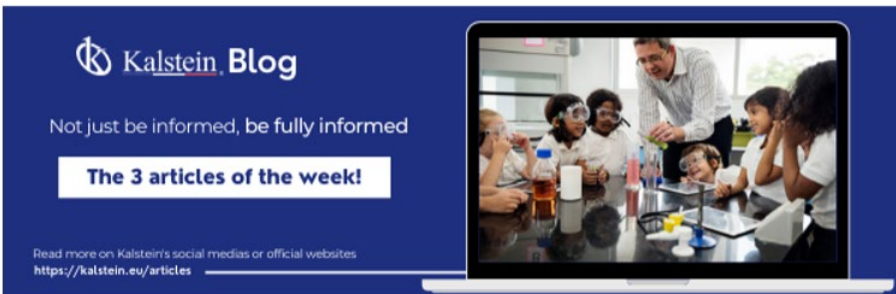
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1
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microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses and mirrors, which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

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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What is the importance of the laboratory refrigerator?

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