

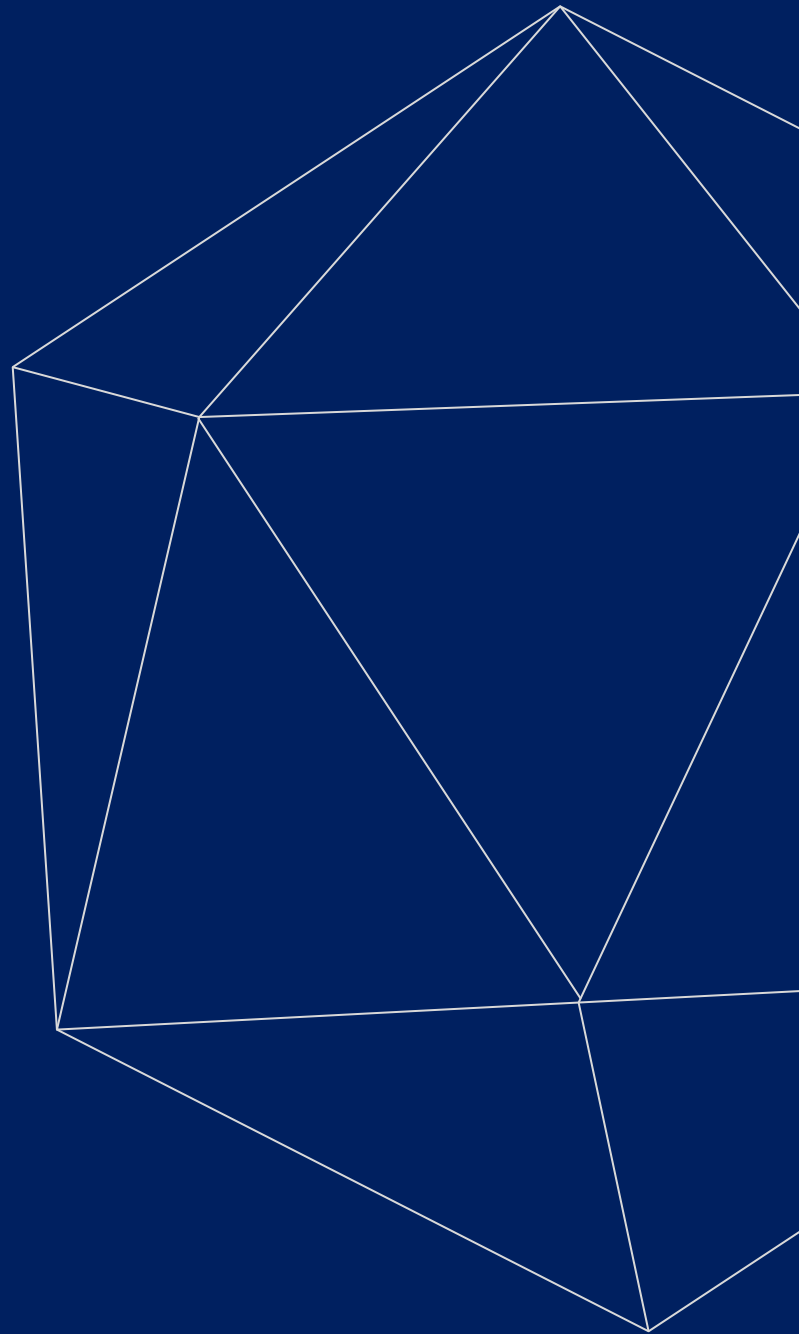
LABORATORY LINES

ULTRASONIC HOMOGENIZER



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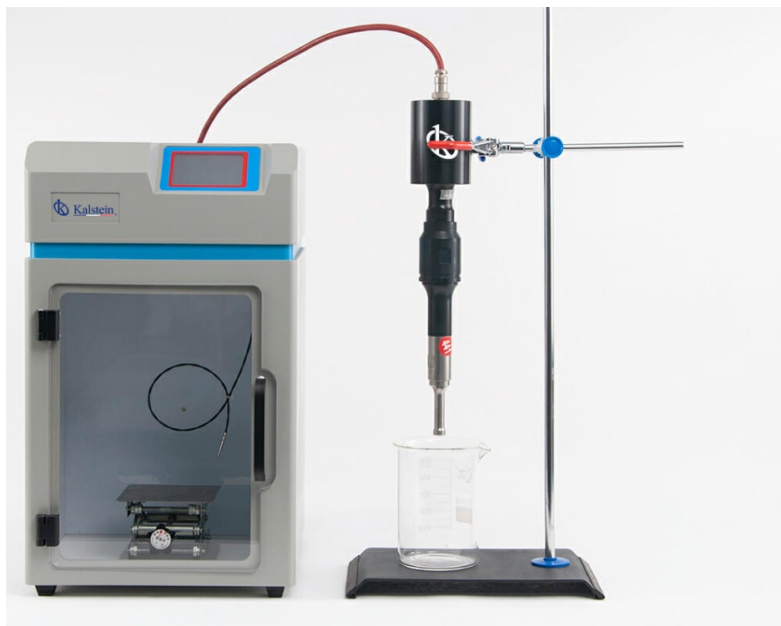
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KALSTEIN® Ultrasonic Homogenizer

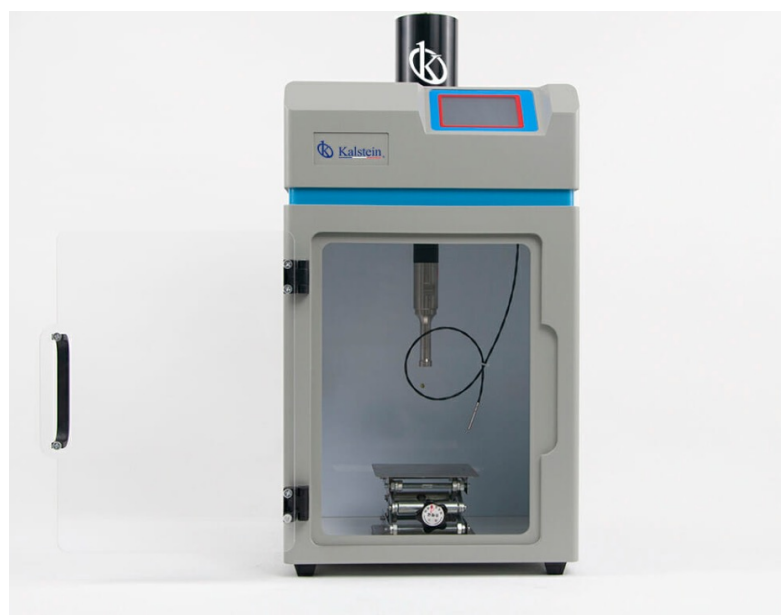
Ultrasonic Homogenizer

Model YR05839



Product Description:

Digital intelligent ultrasonic disperser is a kind of ultrasonic equipment used in laboratory solid-liquid liquid treatment. Compared with traditional ultrasonic crusher, the instrument is more stable and reliable, has smaller volume, saves laboratory space, and is equipped with lifting table and lighting functions, which makes the experimental operation safer and more convenient.



Features:

- ✓ English optional interface, more convenient for domestic and foreign customers to operate the instrument and record information.
- ✓ Using 3.2-inch LCD touch screen control, fully digital processing.
- ✓ Ultrasonic work setting time is up to 99 hours.
- ✓ Ultrasonic power output can be accurately set from 0-100%.
- ✓ Automatic detection of ultrasonic power to ensure that the probe amplitude does not change due to load changes during ultrasonic work.
- ✓ Ultrasonic work and pulse time, frequency, power, probe temperature, program progress, etc. are simultaneously displayed.
- ✓ Microcomputer control, can store 8 groups of work data.
- ✓ Frequency automatic tracking, automatic alarm for overload and failure.
- ✓ Temperature control to prevent samples from overheating.
- ✓ The transducer can be driven according to the actual installed horn model.



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KALSTEIN® Ultrasonic Homogenizer

Ultrasonic Homogenizer

Model YR05839



Applications:

- ✓ Life sciences: lysis, fragmentation, leaching of bacteria, viruses, spores and other cell structures, extraction of DNA and protein from animal cells, trimming of DNA / RNA, chromatin immunoprecipitation techniques, such as extraction of cell contents.
- ✓ Material chemistry: Dispersion, emulsification, homogenization, and fragmentation of nano-materials such as carbon nanotubes, graphite selenium and other materials, homogeneous soil, rock samples, non-ferrous metals, rare earth and other particles.
- ✓ It can also be used for the dispersion and extraction of Chinese herbal medicine.
- ✓ It can be used for dispersing and homogenizing other samples and accelerating the reaction process.
- ✓ It is also suitable for sample preparation in chemical, medical, archeological, geological, marine and other fields. Accelerate dissolution and accelerate chemical reactions. For example, chemical synthesis.

Model No.	YR05837	YR05837-1	YR05838	YR05839
Working Frequency		19~25KHz	Automatic compensation	
Ultrasonic Power	950W	650W	1200W	1800W
Processing Capacity	100~1200ml	50~800ml	100~2000ml	100~3000ml
Power adjustable			0~100%	
Timer			LCD Touch screen, adjustable from 1s to 99h	
Pulser			Digital, closed loop, open loop, 1s to 99min to choose and set	
Ultrasonic mode			Pulse mode / Continuous mode	
Standard Probe	Φ13mm	Φ6mm	Φ16mm	Φ20mm
Optional Probe	Φ3/6/8/10/16/18mm	Φ3/6/8/13/16mm	Φ3/6/8/10/13/18/20mm	Φ3/6/8/10/13/16/18/25mm
Energy Converter			CV33, PZT lead zirconate titanate piezoelectric ceramics	
Probe Material			Titanium Alloy TI-6AL-4V	
Cabinet lighting			yes	
Lifting table			yes	
Machine size			245*365*245mm	
Sound Proof box size			240*250*390mm	
Power Supply			AC220/50Hz, 110V/60Hz	

Optional Configuration

Magnetic stirring, cooling water circulation system, etc ; Computer Software package: RS422 to USB data connection limit (including driver), computer monitoring driver temperature sensor
Wrench: used to install and remove the horn Test tube



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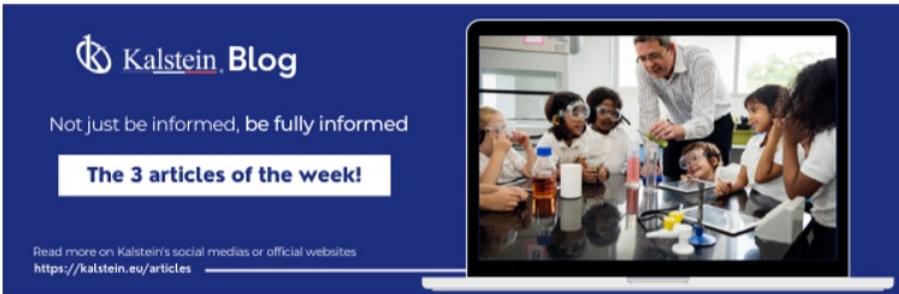
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Not just be informed, be fully informed

The 3 articles of the week!

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1
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How does the climate affect your microscope?

microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses, which form

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Article of the week:
How does the climate affect your microscope?

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2
Read this ARTICLE NOW



What is the importance of the laboratory refrigerator?

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

Kalstein Blog

Article of the week:
What is the importance of the laboratory refrigerator?

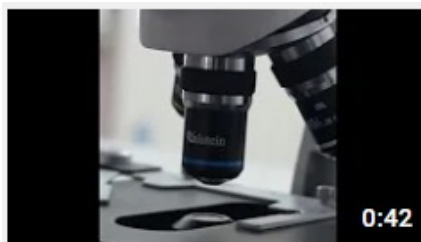
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