

# CUP-FORM (NON TOUCH)

## ULTRASONIC HOMOGENIZER

It can be used for asepsis and ultra micro crushing, and can break the chromosomes and broken cells through the centrifuge tube. It is for the two generation sequencing DNA samples and chromatin immunoprecipitation assay sample pretreatment tailored. Compared with the traditional probe type ultrasonic homogenizer, the non-contact sample can be broken under the sealed container, no infection flying, the probe is not contacted with the sample, the cross contamination is avoided. It is more efficiency and safety.

A plurality of samples can be detected at once, the experiment efficiency is higher, no need to operate probes frequently, all kinds of products are in separate sealed tubes, so as to avoid cross contamination.

Optional cooling water circulation system, to facilitate the sample is in ultrasonic bath at 4 °C, energy distribution, ultrasonic effect completely. Flexible parameter setting and experimental procedure standardization, good repeatability, and high reliability results.

Gradually become an indispensable standardized tool for CHIP (chromatin immunoprecipitation) and DNA shear research platforms. The experiment has high efficiency, reliable result and good repeatability. It can handle 5ul samples at least, and it is suitable for precious samples.

## FEATURES

- No aerosol generation -enhance biological safety (such as Mycobacterium, virus, etc.)
- Eliminates the risk of cross contamination of samples
- Eliminates dregs phenomenon of traditional probe
- A variety of samples can be processed ,with a wide range of sample handling
- It is suitable for all kinds of standard containers
- It can process microscale samples, the minimum to 5μL
- The automatic continuous rotation of the centrifuge tube makes the ultrasonic energy distribution more uniform
- It is optional to buy low temperature water bath according to customer's demand for a variety of diameter Eppendorf tube rotating base.

## TECHNICAL PARAMETERS

It is optional to buy low temperature water bath according to customer's demand for a variety of diameter

Model	Scientz98-III	Scientz08-II	Scientz08-III
Frequency	19.5-20.5KHz	28KHz±1 KHz	20KHz±1 KHz
Power	1200W(Adjustable)	1800W (Adjustable)	2200W(Adjustable)
Adjustable Power	1-99%	1-99%	1-99%
Time	1-999min	1-999min	1-999min
Duty Ratio	1 -99%	1-99%	1 -99%
Processing Volume	700ml	2L	3L
Temperature Display	Yes	Yes	Yes
Crushing Support	(0.1-2ml)*4	1-2ml*16 hole 5ml*8 hole 10-15ml*8 hole	1-2ml*32 hole 5ml*20 hole 10-15ml*17hole
Power Supply	220/110V±0.5 50Hz/60Hz	220/110V±0.5 50Hz/60Hz	220/110V±0.5 50Hz/60Hz

Eppendorf tube rotating base.