

TUN ultrasonic cell crusher(non-contact type)

TUN-R series ultrasonic cell crusher is used for asepsis crush, it could through centrifuge tube to break chromosome and crush cell (suitable for biology dangerous products and harmful sample), equipped with silencer hold-down device.

Compared with traditional probe ultrasonic cell crusher, traditional cell crusher's probe need to contact with sample directly, need to use one same probe again and again, which is easy to cause sample cross pollution. And also as every time the depth of probe insert sample is not same, so each time ultrasonic energy distribution is not uniform, finally effect the repeatability and precision of research result.

For TUN-R series ultrasonic cell crusher, don't need operate probe frequently, each sample is put in total closed individual test tube, ultrasonic energy distribution is uniform, high efficient experiment, reliable test result, excellent repeatability. As all these advantages, TUN-R series ultrasonic cell crusher already become the standard instrument for ChIP (chromatin co-immunoprecipitation) and blood products, vaccine products, DNA shear research institution.



technical parameters:

Model	TUN-R1200	TUN-R2200	TUN-R3200
Frequency(KHz)	19.5-20.5KHz Automatic tracking		
Power(W)	20-1200W adjustable	100-2200W adjustable	500-3200W adjustable
Horn (mm)	Φ20	Φ45	Φ65
Standard crush capacity at a time (ml)	0.1-2ml*4 samples	0.1-2ml*8 samples	0.1-2ml*16 samples
Centrifugal pipe support optional (ml)(each size could be customized)	0.2 ml *8 hole or 5ml*3 hole	0.2 ml *16 hole or 5ml*6 hole	0.2 ml *32 hole or 5ml*12 hole
Constant temp. Range °C	-5-50 °C		
Contact type high power transducer	Optional		
Instrument protection function	Over-temperature		
Duty ratio	0.1-99.9%		
Display	LCD display		

Note: Contact type high power transducer + amplitude transformer are available for TUN-R series, really one instrument with double usage.