

## Nucleic Acid Shearing Sonicator

1. Model : Compact, Bench top model , Max. weight  $\leq$  10 Kg
2. Applications : DNA, Chromatin and RNA Shearing.  
Cell lysis and tissue Homogenization
3. DNA fragmentation : From 150bp to 1.5kb
4. Method : Acoustic Energy /Ultrasonic
5. Sample volume : 50  $\mu$ L to 200  $\mu$ L
6. Ultrasonic wave output power : 2.5 to 210W as per the model (acoustic/ultrasonic)
7. Temperature control : Peltier-effect thermo electric control/through circulating water bath
8. Operating temperature : 4 to 6 Deg C ; Accuracy: +/- 1 Deg C;
9. Sound proof : Sound proof enclosure is essential
10. Ultrasonic wave frequency : 20-60 kHz
11. Noise level : <80 dB
12. Power supply : 220-230V and 50-60 Hz; AC
13. Warranty : One year
14. Certificate : CE and Certificate of compliance for FCC Part 15, EN61326-1, ICES-003 and other certificates indicating the compliance for
  1. Electromagnetic compatibility
  2. Radio emissions and immunity requirements for class A industrial/scientific /medical equipment
15. List of suppliers' Address and performance certificate (atleast from 3 labs) must be provided.