

HOMOGENIZER

(BL-HM24)

The BL-HM24 tissue homogenizer (room temperature, 96-well plate) uses the vertical oscillation system to reciprocate at high speed to make the pre-cooled sample in the grinding tube collide with the grinding beads, and the grinding shear force and impact force generated by the grinding machine completely break the tissue. , agricultural institutes, biomedicine, food testing and other fields of multi-sample one-time rapid processing of special equipment. BL-HM24 is your solution for sample preparation and cell lysis. The reliable, fast and high-throughput homogenizer to extract DNA, RNA or proteins from animals, human and plant tissues, micro-organisms, spores, bones, etc.

Traditional mortar grinding can only grind one sample at a time, and the processing efficiency is low; and tools such as the mortar must be cleaned and sterilized each time, which greatly increases the workload of sample processing.

Features

- Up to 192 samples can be processed at the same time;
- Compatible with conventional adapters;
- Slider drive, no wear shaft, noise stability and durability;
- A variety of adapters to choose from.



96-well plate×2

Slider Drive

✓ No-wear Shaft ✓ Noise Stability ✓ Durable



96-well Plate Sample Grinding Homogenizer Economical Version greatly improve sample handling:

1. Dry grinding, wet grinding and homogenization of samples can be performed;
2. Can process up to 2*96 samples at the same time, complete sample preparation quickly and high-throughput;
3. A wide variety of samples can be processed:
 - Suitable for grinding and crushing of various plant tissues including roots, stems, leaves, flowers, fruits, seeds and other samples;
 - Suitable for grinding and crushing of various animal tissues including brain, heart, lung, stomach, liver, thymus, kidney, intestine, lymph node, muscle, bone and other samples;
 - Suitable for grinding and crushing of cells and microorganisms;
 - Grinding and crushing suitable for the analysis and detection of food and drug components;
4. A closed disposable centrifuge tube is used, which can effectively avoid cross-contamination between samples;
5. The experiment has strong repeatability, and the same grinding frequency and time can be set to obtain the same grinding effect;
6. Low temperature pre-cooling: the adapter can be pre-cooled at -80°C or liquid nitrogen;

Multiple Adapters available



Specifications

1. It can process up to 48 samples at the same time in 1 minute, and complete the sample grinding quickly, efficiently and with high throughput;
2. A wide range of samples can be processed, plant tissues (such as rice, corn, wheat, beans, peanuts, etc.), animal tissues (such as muscle, small intestine, heart, lung, fur, bone, etc.), microorganisms and various Chinese medicinal materials, medicines, etc.;
3. The grinding process adopts a closed disposable centrifuge tube, which effectively avoids cross-contamination between samples;
4. Homogenization speed: 0–70 Hz, the actual speed can reach 4260rpm, working time: 0 seconds - 99 minutes, the user can set by themselves;
5. Preset 10 groups of common tissue grinding parameters to optimize grinding conditions for different specimens;
6. Noise level: <65db;
7. Maximum feed size: no requirement, adjusted according to the adapter;
8. Emergency stop button: It can be photographed at any time during the grinding process, and the instrument will stop running immediately, which is fast and safe;
9. Electromagnetic safety lock: screen click control, automatically unlock after power failure; the cover cannot be opened during the working process, until the end of the grinding process, and the whole process is protected;
10. Grinding method: wet grinding, dry grinding, low temperature grinding;
11. The touch operation unit can freely adjust the screen angle, which is convenient for operation;
12. It can be upgraded to a 2*96-well plate adapter, which can grind up to 192 samples at a time.
13. Dimensions: 265mm*365mm*366mm;
14. Storage upto 100 programs onboard, maximum speed 50 oscillation per sec.

