



Product I Introduction

DHCL-4D three-dimensional sample grinder is a fast and efficient, multi-tube system that can be used to extract and purify native DNA, RNA, and proteins from any source, including soil, plant and animal tissues/organs, bacteria, yeast, fungi, spores, and pale-ontological specimens.

Product I Application

Grinding and crushing samples for food and pharmaceutical ingredient analysis and detection.
Grinding and crushing samples of various plant tissues (roots, stems, leaves, flowers, fruits, seeds, etc.) and fungi, bacteria, etc.
Grinding and crushing samples of various animal tissues, including brain, heart, lungs, stomach, liver, thymus, kidneys, intestines, lymph nodes, muscles, and bones.
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Product I Features

○ Flexible parameters:

Microprocessor control allows for customization of various reagent kits, with a 5.7-inch color touch screen and easy program settings (up to 99 programs can be saved).

\bigcirc Good stability:

With a unique fastening mechanism, sample tube fixation is more convenient. Program calls are fast, with noise levels ≤54db. ○ Professional and efficient:

Sample fragmentation and lysis time is short, avoiding nucleic acid degradation and protein denaturation, ensuring the integrity of extracted nucleic acids or proteins. Innovative design with low-speed, ultra-long continuous operation function (up to 30min), suitable for whole-genome library construction, cloning, and sequencing.

○ Zero sample contamination:

The operation is fully enclosed, avoiding cross-contamination between samples and external contamination. O High safety and easy maintenance:

Uses a brushless frequency conversion motor that does not produce carbon particles and does not require carbon brush replacement. Long service life, no easily damaged parts, all-stainless steel inner chamber for easier cleaning and disinfection, and no need for dangerous materials such as liquid nitrogen for auxiliary processing.

Technical I Parameters

Model: DHCL-4D Time setting: 1-9999 seconds Sample volume:24*2ml/12*5ml Oscillation speed: 1-21 m/s Program number: 10 Lid opening method: Intelligent start Anti-pinch function: Yes Automatic center positioning fixing device: Yes Safety protection: Working safety lock Noise level: <54dB Voltage: AC 220V/50-60Hz Appearance size: 400*320*430mm Weight: 33kg

Related I Accessories

Model	Adapter Specifications	
Ф2ml	2ml*24 holes	
Φ5ml	5ml*12 holes	

