

V20

Vertical Oscillators



V20 vertical oscillator can be used for rapid oscillation and mixing of samples, cell disruption, tissue homogenization. It has a high speed and large throughput, capable of processing 576 samples in a single batch. It can handle a wide range of samples, including plant roots, stems, leaves, flowers, fruits, seeds and animal tissues, and can also meet the requirements for sample extraction in QuEChERS pre-treatment methods.

High throughput
Fast extraction
With good results



Application Field



Food Safety

Pesticide residues extraction by
QuEChERS method
Extraction of veterinary drug
residues in animal foods



Rapid sample processing

method for pesticide residues in
traditional Chinese medicine.
(QuEChERS) Method



Life Science

Nucleic acid extraction from
plant and animal tissues



High throughput

- Up to 576 samples can be processed in one batch.



High safety

- Utilize electronic lock, open the door will automatically stop running, to ensure the safety of personnel.



Simple operation

- Color touch screen displaying oscillation speed and time.
- With start and stop buttons, it can be stopped and started at any time during the oscillation process.
- Reservation start, recurring setup



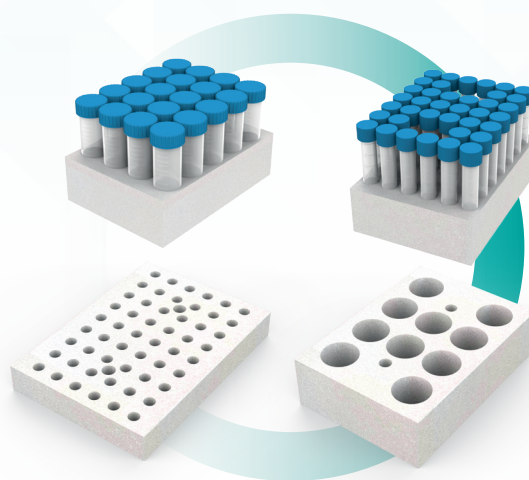
Good viewing windows

- Transparent viewing window with built-in LED light allows user to observe the sampling situation at any time.



Flexible application

- Available in various sizes of sample racks to meet different applications, and sample rack can be customized
- Multiple different rates and times of operation, different methods can be set up according to application needs.



Application Examples

Determination of Pesticide Residues in pharmaceuticals

Determination of chlorpropham residues in plant-derived foods by LC-MS

Determination of residues of 9 carbamate pesticides and their metabolites in plant-derived foods by Liquid Chromatography-Column Derivatization

Determination of residues of 208 pesticides and their metabolites in plant-derived foods by GC-MS

Determination of residues of 331 pesticides and their metabolites in plant-derived foods by LC-MS

Determination of isometamidium in edible tissues of cattle and milk by LC-MS-MS

Determination of ethoxyzolamide residues in edible tissues of poultry by HPLC

Determination of tetracycline residues in animal-derived foods by HPLC

Determination of residues of 6 amide herbicides in soil by GC-MS

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