

# TVC-2

## Vacuum centrifuge



### ***Introduction***

TVC-2 is a new type of equipment recently developed and produced by our company for sample concentration and compound removal. This equipment comprehensively uses centrifugal force, heating and the vacuum provided by the built-in vacuum pump to evaporate the solvent to achieve sample concentration. The purpose of the vacuum pump is to keep the system in a vacuum state, lower the boiling point of the solvent, and speed up the evaporation rate of the solvent. This equipment can process multiple samples at the same time without causing cross-infection.

This equipment is mainly used for the concentration of DNA/RNA, nucleosides, proteins, drugs, metabolites, enzymes or similar samples, and solvent removal of composites. This equipment has high concentration efficiency, high sample activity retention, simple operation, and flexible use. , high reliability, simple structure, small size and light weight.

### ***Product Features***

1. Stainless steel anti-corrosion liner design, organic glass transparent cover.
2. Microcomputer control system, LCD display.
3. Intuitively display operating parameters such as temperature, time, speed, etc.
4. Efficient magnetic drive system to protect the air tightness of the cavity.
5. Chemically anti-corrosion plunger pump, standard low vacuum system.
6. A variety of optional rotors of different specifications to adapt to sample concentration of different volumes.
7. It has the function of delayed start of vacuum pump to avoid sample mixing.
8. The operating parameters can be changed at will during operation.
9. It can be used in combination with cold trap for better effect.

## Rotor Specifications

016600024	012402054	011200104	020020965
			
Fixed Angle Rotor #1	Fixed Angle Rotor #2	Fixed Angle Rotor #3	Microplate Rotor #4
Capacity: 66×1.5ml	Capacity: 24×1.5ml+24×5ml	Capacity: 12×10ml	Capacity: 2×96 microplate

## Technical Specifications

Model	TVC-2
Max. speed	300-2000rpm
Time setting range	1min-99h
Temperature setting range	5℃-80℃
Temperature accuracy	±1.0℃
Vacuum pump parameters	2L/min
Display	LCD screen
Power supply	AC220±22V 50Hz 16A
Noise level	≤65dB(A)
Ultimate vacuum degree	-92kpa
Dimension (L × W ×H)	580×360×330 mm
Vacuum pump	built-in
Net weight	44KG