

# Vacuum Centrifugal Concentrator

VCC-2000



## Application

Suitable for concentration of immunoglobulin, concentration of drug metabolites, SPE solid phase extraction, pre-processing and post-processing of liquid chromatography, ADMET/toxicology, polymer chemistry, DNA/RNA purification and concentration, oligomer synthesis, forensic science/drug abuse testing, general laboratory enrichment, etc.

## Description

- This series of products has the function of quickly and safely evaporating water and organic solvents in the sample. The processed samples can be conveniently used for various qualitative and quantitative analysis - chemistry, biochemistry, biological analysis, immune screening, food safety, residue analysis, etc.

## Features

- Using single-chip microcomputer with self-developed control board and high-torque brushless DC motor, the operation is stable and the noise is low, providing a comfortable laboratory environment.
- Vacuum sample heating (vacuum pump is optional).
- LCD touch screen monitor with TFT true color.
- With over-temperature warning function.
- Uniform heating method is adopted, with fast heating and high temperature control accuracy, and the chamber can be heated to 60 °C.
- The centrifuge chamber is made of alloy aluminum, and the surface treatment process of anodic electrophoresis can resist the corrosion of most chemical reagents and solvents.
- Maintenance-free non-contact drive rotation system.
- Polymethyl methacrylate transparent cover for easy monitoring of the concentration process.
- Intelligent microprocessor control and simple and direct operation interface.
- Concentration time: 1min-99h59min, can be used with cold trap.
- Split design, free assembly and collocation, flexible and convenient.
- Low-temperature concentration avoids sample loss, denaturation, activity decline, and oxidation.
- High-throughput can process dozens of samples at the same time without cross-contamination.
- The sample has no foam generation and no loss. Safe and easy way to recover solvent from cold traps.

## Specification

Model	VCC-2000
Rotor Capacity	6×250mL/6×50mL
	12×10mL/62×1.5mL
	2×48well/2×96well
Speed	2000r/min
Max.Power	1.5kW
Max Current	7A
Ambient Temperature	0℃~+35℃
Sound Emission	≤50dB (A)
Temp.Control Range	RT. ~ +60℃ or without heating
Final Vacuum Degree	0.1mbar
Vacuum Interface	Φ10mm
Electricity	AC 220V/50Hz
Dimension(L*W*H)	600*540*360mm
N.W./G.W.	38kg/52kg
Shipping Dimension(L*W*H)	770*680*440mm

Rotor Parameters









	Figure	Parameter
Angle Rotor	 62×1.5mL	Max.speed:1500r/min Rotor Item No.: JZZ-026-0152 (2000)
	 12×10mL	Max.speed:2000r/min Rotor Item No.: JZZ-026-0275
	 6×50mL	Max.speed:2000r/min Rotor Item No.: JZZ-026-0001
Microplate Rotor	 2×48well	Max.speed:2000r/min Rotor Item No.: SPZ-026-0183

	Figure	Parameter
Angle Rotor	 12×10mL	Max.speed:1500r/min Rotor Item No.: JZZ-022-0129
	 6×50mL	Max.speed:1500r/min Rotor Item No.: JZZ-022-0131
	 6×250mL	Max.speed:2000r/min Rotor Item No.: JZZ-026-0134 Can be matched with 6×2×50mL/6×5×20mL adapter
Microplate Rotor	 2×96well	Max.speed:2000r/min Rotor Item No.: SPZ-026-0239