

Compact Centrifugal Evaporator Model CVE-1000

Magnetically coupled drive system assures no leakage, no contamination and maintenance-free.

Nitrogen gas inlet is useful for the application of easily oxidized sample, such as DNA, peptides and enzymes.

Membrane filter (0.2 μ m) avoids contamination when taking air into chamber.

Vacuum release valve opens automatically when turning off the vacuum source or when power failure occurs.



Applications

Synthesis or concentration of DNA or RNA

Removal of extracted solvent

Concentration or dry after ethanol precipitation

Specifications

Model	CVE-1000
Concentration method	Vacuum concentration by centrifugal force
Rotation speed	2750/3250rpm fixed
Ultimate vacuum	1333Pa (10 Torr or less) Vacuum pump is an option.
Safety feature	Motor brake at lid opening
Attached rotor	1.5 ml microtube x 12 pcs.
Vacuum seal	Sealless magnetically coupled drive
Vacuum gauge	Bourdane tube type, (-100 ~ 0 kPa)
Air filter	0.2 μ m
Vacuum release valve	Manual, slow release
Chamber interior	Stainless steel SUS 304, 120 dia. x 62 H mm
Vacuum nozzle	OD 10 mm
Environment	5 ~ 35°C
Overall dimensions	180W x 199D x 176H mm
Net weight	4.2 Kg
Power consumption	0.5A, 50VA
Power source	AC100V 50/60Hz