



NINGBO SCIENTZ BIOTECHNOLOGY CO.,LTD

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Vacuum Centrifugal Concentrator Scientz - 1LS



Full view picture 1



Control panel picture 2

SCIENTZ-1LS

Vacuum centrifugal concentrator

Description:

SCIENTZ-1LS integrated vacuum centrifugal concentrator with built-in water trap, convenient and quick. This machine uses a magnetic levitation motor to ensure the vacuum sealing of the centrifugal drying chamber, which is ahead of the industry standard. It can choose a variety of rotors (7 types). Depending on the rotor, the volume of a single sample can range from a few milliliters to 50 milliliters; at the same time, the sample loaded in the microplate can be concentrated by the microplate rotor. It can be widely used in the fields of biology, microbiology, biochemistry, pharmaceutical research, and analytical chemistry.

Working principle

As the pressure decreases, the boiling point of the solvent also decreases. When the pressure drops to a certain level, the solvent can boil and evaporate under relatively low temperature conditions. In order to avoid evaporation and cross-contamination of the sample, a high-speed centrifugal rotation technology is used to ensure that the sample is not ejected in the sample tube.

Characteristics

- Efficient and precise: precisely adjust the vacuum value according to the difference of samples, and the concentration is more efficient
- High-quality materials: anti-corrosion effect materials are used in the centrifugal cavity, internal pipes and rotor
- Easy to operate: One-key start function, automatically start each part, high degree of automation
- High safety: automatic vacuum release after power failure to protect samples
- Temperature optional: temperature can be set to ensure safe and effective concentration of multiple samples

Technical parameters

- 1) Maximum speed :2,000r / min
- 2) Temperature range :RT- 70 ° C
- 3) Maximum timing time 1-99h or 1-59min
- 4) Cold trap temperature <-45 ° C
- 5) Dimensions 520mm * 400mm * 900mm
- 6) Weight 50kg
- 7) Power 220V 50Hz
- 8) Input power 2.5KW
- 9) Standard rotor 15ml (φ18 * 20); 15ml (φ16 * 20); 2ml (φ11 * 46)
- 10) Transfer type optional 2ml /1.5ml *24 (φ11 * 60); 15ml (φ16 * 46); 15ml (φ19.5 * 36); 50ml (φ33 * 10) Pore enzyme standard 2 * 96 pore enzyme standard 2 * 48

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Москва

ул. Магаданская, д. 7, к. 3 ■ тел./факс: (495) 745-0508 ■ sales@dia-m.ru

www.dia-m.ru

С.-Петербург

+7 (812) 372-6040
spb@dia-m.ru

Новосибирск

+7 (383) 328-0048
nsk@dia-m.ru

Воронеж

+7 (473) 232-4412
vrn@dia-m.ru

Йошкар-Ола

+7 (927) 880-3676
nba@dia-m.ru

Красноярск

+7 (923) 303-0152
krsk@dia-m.ru

Казань

+7 (843) 210-2080
kazan@dia-m.ru

Ростов-на-Дону

+7 (863) 303-5500
rnd@dia-m.ru

Екатеринбург

+7 (912) 658-7606
ekb@dia-m.ru

Кемерово

+7 (923) 158-6753
kemerovo@dia-m.ru

Армения

+7 (094) 01-0173
armenia@dia-m.ru

