

Chilling/Heating Dry Bath

DC10



Description:

- ◆ The DC10 Chilling/Heating Dry Bath is compact, versatile, reliable and easy to use. It is adopted high quality Peltier plate to ensure long-term stable operation and controlled can be widely used in preservation and reaction of samples, DNA amplification, electrophoresis denaturation and serum solidification, etc.

Applications:

- ◆ Maintaining 14°C for ligation reactions.
- ◆ Maintaining 17°C for storing oocytes.
- ◆ Storing samples at ice bucket temperatures.
- ◆ Storing enzymes or DNA libraries at your work station.
- ◆ Transporting samples from the field at exactly the right temperature.
- ◆ Chilling or heating samples in the field.
- ◆ Enzyme reactions and deactivations.
- ◆ Freezing and storing most any small sample at your work station.
- ◆ PCR sample preparation.

Features:

- ◆ Energy-efficient Peltier design.
- ◆ Automatic fault detection and buzzer alarm function.
- ◆ Electronic calibration. User can reset to any local standard.
- ◆ Small, compact size uses very little bench space.
- ◆ Easy replacement, cleaning and disinfecting of metal blocks.
- ◆ Built-in over-temperature protection.
- ◆ Internal power supply provided is UL, CSA and CE approved.
- ◆ Customized modules are accepted.
- ◆ Buzzer alarm when temperature control ends.
- ◆ 12-month warranty.

Parameters:

Project	Parameters
Temp setting range	-10°C~100°C
Time range	1min ~ 99h59min/∞
Display accuracy	0.1°C
Heating time	≤10 min (from 25°C to 100°C)*
AUTO-4°C	Yes*
Multi points running	Yes(Max 5 points)
Auto running	Yes
Auto resume to run	Yes
Power input	AC110~220V/50-60HZ
Size(mm)	260x195x150 mm

Test condition : Rt 25°C±2°C, block is 1.5ML*35, use mercurial thermometer, accuracy is ±0.1°C.

Project	Parameters
Temp control range	Below room temp 30°C~100°C
Temp accuracy	±0.3°C*
Temp uniformity	±0.3°C*
Cooling time	≤10min (from 100°C to 25°C)*
Cooling time	≤25min (from room temp to blow it 30°C)*
Multi cycle	Yes(Max 99 times)
Auto heating	Yes
Power	150W
Fuse	250V 3A Φ5×20
Weight	4.5Kg
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Optional Blocks:

Type	Test tube and aperture
MD30	96×0.2ml
MD31	54×0.5ml
MD32	35×1.5ml
MD33	35×2.0ml
MD34	15×0.5ml+20×1.5ml

Type	Test tube and aperture
MD35	96×0.2ml(ELISA plate)
MD36	24×5ml
MD37	15×10ml
MD38	12×15ml
MD39	6×50ml

MICROWAVE SYNTHESIS WITH ULTRASOUND ENERGY AND UV LIGHT ENERGY



Technical Parameters:

Model No.: XO-SM100;

Ultrasonic Power: 0~1000W;

Ultrasonic Frequency: 25KHz;

Microwave Power: 0~1000W;

Microwave Frequency: 2450MHz;

Handling Capacity: 0.5~800ML;

Probe Diameter: $\Phi 10$;

Key Features:

1. XO-SM50 Series Ultrasonic Microwave Combined Reaction System has the feature of flexible combination which the ultrasonic or microwave can be independently controlled and collaborate;
2. Adopting SAMSUNG Microwave Generating System, steady performance, microwave power adjustable, frequency: 2450MHz;
3. Ultrasonic power adjustable, frequency: 25KHz, ultrasonic frequency selective range:15~40KHz; the ultrasonic generator is no need to put into samples, but energy is transferred by air, and work directly to samples;
4. Optional matching vacuum pump to remove moisture, suitable for ultra-low temperature microwave vacuum drying experiments, or liquid reaction experiments that require eliminating water vapor or other reactant gas;
5. Optional Teflon Digestion Tank with temperature or pressure control and magnetic agitation;
6. Reaction vessel may optional match the unique designed cold water linking apparatus, temperature control: $-40\sim 500^{\circ}\text{C}$, it controls the high temperature that caused by microwave emission, microwave utilization ratio can be reached 100%, so reactant will be fully effected, ensuring the homogeneity and high yield of reaction product;
7. Parameters are controlled using high sensitive touch screen, all parameters programmable control, five groups experimental data storage;
8. With 10 inches ultrathin, high definition, multi-function liquid crystal displayer, showing the working condition in real-time;
9. With high precision gold-plating PT100 armored thermocouple sensor or non contact IR Sensor detecting the reaction temperature real time, enable to control the reaction process temperature; control range: $0\sim 500^{\circ}\text{C}$, precision: $\leq \pm 0.5^{\circ}\text{C}$;
10. With the function of particular Inverter Blast Heat Dissipation, keeping temperature in chamber uniformity;
11. Work hour: continuous, $0\sim 9999\text{S}$ adjustable;
12. Programmable Microwave, Ultrasonic system, temperature, time, power are adjustable at the same time;
13. Optional glass container, teflon materials reaction system;

ULTRASONIC BATH



Operating frequency 40 KHz
Tank Capacity (Liters) 1.2LTR/3 LTR/6LTR/10LTR
Internal tank stuff SUS 304 #1.0t
External stuff Steel plate toast paint
LID cover stuff Stainless steel SUS 304
Timer 1-99min
Ultrasonic power 50/100/200 W
Heating Power 100W
Net weight 2.9kg
Drainage - - Have
Power source AC100~120V/AC220~240V 50/60Hz.

CONTACT INFORMATION

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LABINS

Sample Concentrator

ND200-2



Description:

- ◆ ND200-2 Sample Concentrator is with microprocessor controlled and PID fuzzy controlled technique. Instead of traditional water bath device, the heat-conducting medium is high purity aluminum. The Test tubes are held in a block, and blowing a large number of samples at one time. It can be used in residue analysis, commodity inspection, food, environment, pharmacy and biological product and other industries.

Features:

- ◆ High precision and wide range of temp control.
- ◆ Blowing a large number of samples at one time.
- ◆ Blowing each sample independently.
- ◆ Amount of airflow can be adjusted.
- ◆ Easy operation; safe and reliable to use.
- ◆ 12-month warranty.

Parameters:

Project	Parameters	Project	Parameters
Temp. control range	RT.+5°C-160°C	Temp. accuracy	±0.5°C(@40°C)
Temp. uniformity	±0.5°C	Temp. accuracy	±1°C(@120°C)
Display accuracy	0.1°C	Timing range	1-99h59min/∞
Heating time	≤15min(25°C to 160°C)	Needle length	150mm
Nitrogen flow rate	15L/min	Block qty	2
Nitrogen pressure	0.1Mpa	Voltage	220V 50/60Hz
Max power	500W	Weight(kg)	7.5
Dimension(mm)	260x220x475	---	---

Optional Blocks:

Type	Diameter	Capacity	Type	Diameter	Capacity
MD50	10mm	12	MD54	16mm	12
MD51	12mm	12	MD55	19mm	12
MD52	13mm	12	MD56	20mm	12
MD53	15mm	12	---	---	---

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