

DVAB



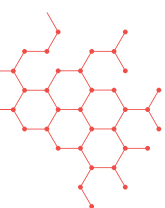
Dry Bath Thermo Mix



Dry Bath

Dry Bath

As an essential instrument of temperature control in sample pretreatment and biochemical reaction, dry bath has been widely used in molecular biology, clinical, environmental and industrial laboratories and other fields.



DLAB Dry Bath Series



H100-Pro



HB120-S



HB60-S



HB105-S1



HB105-S2



HB150-S1



HB150-S2



Mini HC100

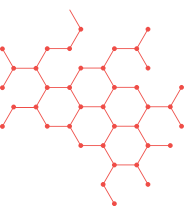


Mini H100



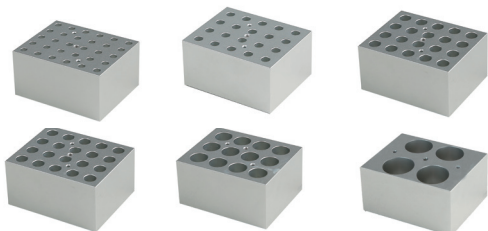
Mini HCL100

- Wider range of temperature control, wider range of application.
- Monitor temperature in real time and set timer.
- A variety of heating blocks for more specifications of tubes.
- High temperature control accuracy and uniform, stable temperature of each heating block.
- Overheating protection, safe and stable.
- Heating blocks equipped with a lid for heat preservation and prevent pollution.
- User-friendly setting knob for simple operation.

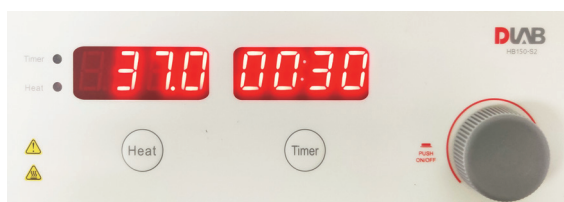


Upgraded Dry Bath

HB105-S1 HB105-S2
HB150-S1 HB150-S2



- Single and double block configurations are provided.
- Highest temperature of 105°C or 150°C.
- Buzzer reminder function.
- External temperature sensor.
- Historical data tracing via USB interface.



Set temperature(°C) time(h:m)

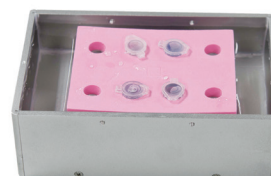


Start to heat up



Start countdown when the temperature reaches the set temperature (Show remaining time)

The S2 series offers a three-in-one solution that can be used as a dry bath, water bath or bead bath to meet different needs.



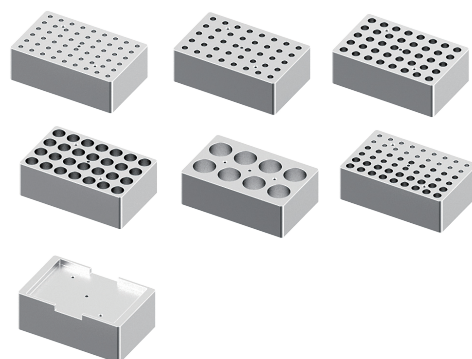
No more concern of tube sizes

Dry Bath

Classic Dry Bath

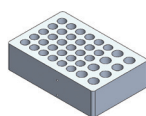


HB120-S



Large capacity for more samples,
Multiple modules for different
requirements.

HB60-S



- Discrete heating temperature levels: 25°C, 30°C, 37°C, 45°C, 60°C.
- 5/10ml × 38 dual purpose heating block.
- Dedicated for clinical laboratories.

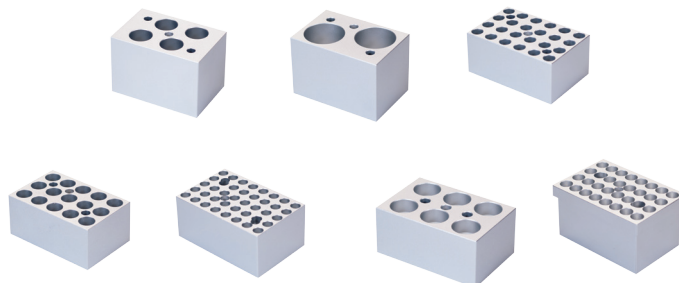
You can always find a suitable one from our complete portfolio!

Mini Dry Bath

Mini HCL100 / Mini HC100 / Mini H100

Mini Dry bath is portable, compact and convenient. It can be powered by automobile power.

- Light in weight.
- Support temperature self-calibration mode.
- Optional cooling function.
- Mini HCL100 with hot lid to prevent water condensing on the tube cap.



Heating Dry Bath Pro H100-Pro

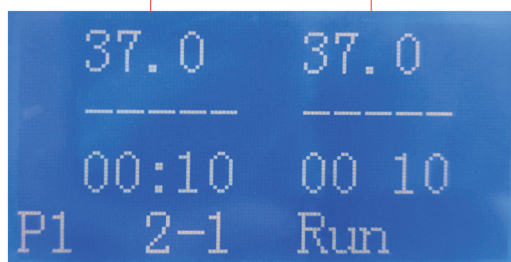


H100-Pro



- Customizable program with up to 6 sequential steps.
- Temperature calibration function by user.
- Mount the heating block by magnet without any tools. It is more convenient to replace the module.
- Accurate temperature control of each heating block with built-in lid to diminish heat loss.

Set value Display values in real time



Program number Current step, 6 steps can be set

Heating / Cooling Dry Bath Pro HC110-Pro

As low as -5°C

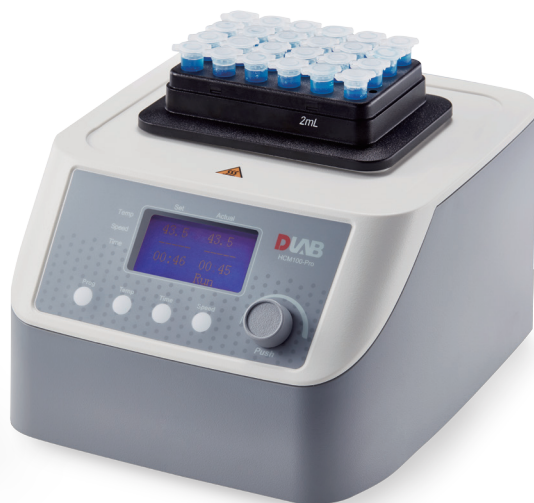
- Precise temperature control for heating and cooling -5°C-110°C.



HC110-Pro

Thermo Mix HCM100-Pro / HM100-Pro

The Thermo Mix series integrate precise and efficient heating (&cooling) and mixing function for samples simultaneously.



- Excellent mixing performance at 200-1500rpm.
- Programmable.
- Quick interchange of blocks with proprietary magnet adhesion and automatic block recognition.
- Customer temperature.



Silent high speed mixing

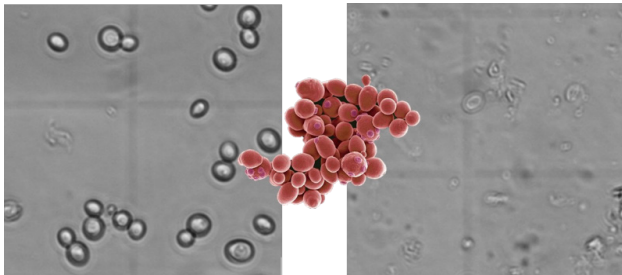
Preparation at low temperature



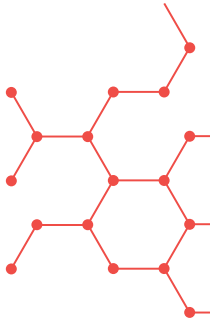
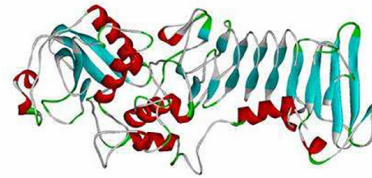
Applicable to many applications!

DNA and RNA extract

— cell wall enzymatic hydrolysis: 30°C



— protease K digestion: 65°C

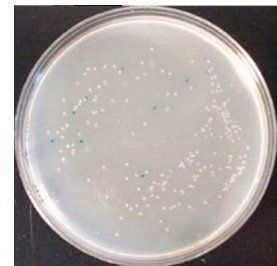
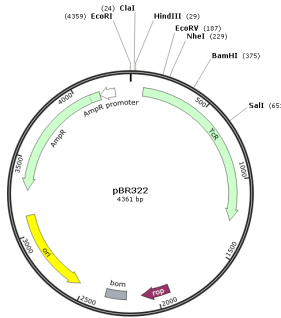


Gene cloning

— Plasmid enzyme digestion : 37°C

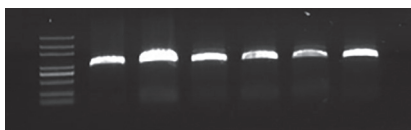


— Heat shock of plasmid transformation: 42°C



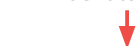
Purification of DNA from agarose gels

Add high-salt buffer to the gel slice. Incubate it at 60°C for 10min and shake it every other 1-2 minutes.
Preheat the elution buffer to 65°C for increased DNA recovery.



Reverse transcription

RNA denaturation at 70 °C for 10 min



First-strand cDNA synthesis: Incubate the preparation at 37°C– 42°C for 1 h



Stop the reaction by heat deactivation at 70°C for 30 min

Prepare the PCR/QPCR reaction mix and make aliquots in advance.

Keep the DNA polymerase/PCR mix at low temperature (4°C) .

Make aliquots at low temperature and avoid bubbles.

Dry Bath



Specifications

	H100-Pro	HB105-S1 HB150-S1	HB105-S2 HB150-S2	HB120-S	HB60-S
Temperature range[°C]	Room temp+5~100	HB105-S1: Room temp+5~105 HB150-S1: Room temp+5~150	HB105-S2: Room temp+5~105 HB150-S2: Room temp+5~150	Room temp+5~120	Room temp+5~60
Temperature setting range [°C]	15/100	25~105	25~105	25~120	5 gears: 25°C, 30°C, 37°C, 45°C, 60°C
Temperature control accuracy[°C]	±0.5	25-90: ±0.3	25-90: ±0.3	±0.5	±0.5
		90-105: ±0.6	90-105: ±0.6		
Temperature uniformity@ 37°C [°C]	±0.2	±0.2	±0.2	±0.5	±0.3
Power [w]	200W	100	200	160	160W
Time setting range	1min~99h59min	0min~99h59min	0min~99h59min	1min -99h59min	1min-99h59min
External sensor	-	Yes	Yes	-	-
USB interface	-	Yes	Yes	-	-
Temperature self-calibration	Yes	-	-	-	-



Specifications

	Mini HCL100	Mini HC100	Mini H100
Display	LCD	LCD	LCD
Temperature setting range[°C]	0-100	0-100	25-100
Temperature range [°C]	Room temperature-23~100	Room temperature-23~100	Room temperature+5~100
Temperature control accuracy[°C]	±0.5	±0.5	±0.5
Temperature display accuracy[°C]	0.1	0.1	0.1
Minimum time taken for heating(25°C-100°C)	≤20min	≤20min	≤20min
Minimum time for cooling (20°C-0°C)	≤25min	≤25min	/
Max. Heating Rate	8°C /min	8°C /min	6.5°C /min
Max. Cooling Rate	3°C /min	3°C /min	/
Time setting range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
No. of programs in memory	9(2steps for each)	9 (2steps for each)	9(2steps for each)
Temperature self-calibration	Support	Support	Support
USB interface	Support	Support	Support
Error code reminder	Support	Support	Support
External dimension [mm]	110x162x140	110x162x140	110x162x140
Overall weight [kg]	≤1	≤1	≤1
Power supply	DC 12V,100-240V, 50/60Hz	DC 12V,100-240V, 50/60Hz	DC 12V,100-240V, 50/60Hz
Power[w]	60	60	60
Operating temperature[°C]	+10-40	+10-40	+10-40
Operating humidity [% RH]	≤80	≤80	≤80

Dry Bath



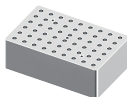






Specifications







	HCM100-Pro	HM100-Pro	HC110-Pro
Functions	Heating、Cooling、Mixing	Heating、Cooling	Heating、Mixing
Temperature range	Below room temp 15°C~ 100°C	Below room temp 25°C~ 110°C	room temp ~ 100°C
Temperature setting range specifications	0.1-100°C	-5°C-110°C	15-100°C
Temperature control accuracy [②20-45°C]	±0.5	±0.5	±0.5
Temperature uniformity [②20-45°C]	Max ±0.5	Max ±0.5	Max ±0.5
Max Heating speed [°C/s]	5.5	5.5	5.5
Max Cooling speed [°C/s]	5 (100°C-room temp) 0.5 (below room temp)	2.5 (100°C- room temp) 0.5 (below room temp)	-
Mixing speed [rpm]	200-1500	-	200-1500
Mixing orbit[mm]	3	-	3
Screen	TFT	TFT	TFT
Program	9	9	9
Overheating protection[°C]	150	150	150
Voltage	100-240V	100-240V	100-240V
Frequency	50/60Hz	50/60Hz	50/60Hz
Power	200W	200W	200W
Temperature self-calibration	Support	Support	Support

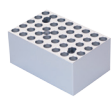








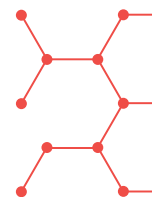
Blocks

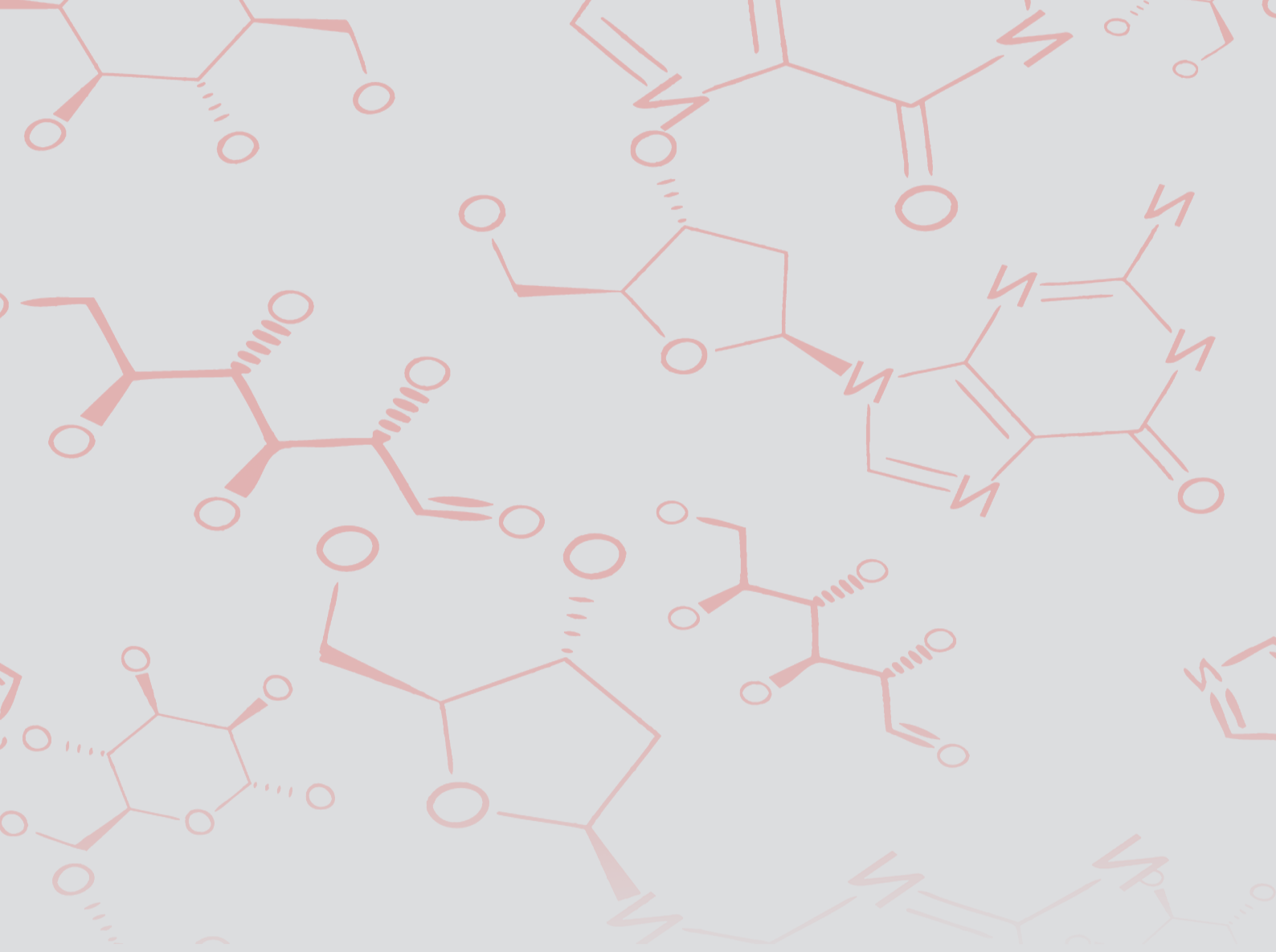
	Cat.No	18900401	18900402	18900403	18900404/5	18900406	18900407	18900420	18900423
H100-Pro	Block types								
	Capacity	0.5mL×24	1.5mL×24	2mL×24	5mL×8	15mL×8	50mL×4	96 or 384 well plate	microplate

	Cat.No	18900218	18900219	18900253 18900220	18900221	18900222	18900224	18900223
HB120-S	Block types							
	Capacity	0.2mL×54	0.5mL×40	1.5mL/2mL ×40	5/15mL×28	50mL×8	0.2mL+0.5mL +1.5/2mL 18+18+18	microplate

	Cat.No	18900459	18900410	18900461	18900462	18900412	18900413	
HB105-S1 HB105-S2 HB150-S1 HB150-S2	Block types							S2 configures two modules
	Capacity	0.2mL×30	0.5mL×20	1.5mL×20	2mL×20	5/15mL×12	50mL×4	

	Cat. No	18900414	18900415	18900416	18900428	18900417	18900426	18900427
Mini HCL100 Mini HC100 Mini H100	Block types							
	Capacity	0.2mL×40	0.5mL×24	1.5mL×15	2mL×15	5mL×6	15mL×4	50mL×2
	Diameter × depth	6.4×20 mm	8.2×28.4mm	11.2×31mm	11×31mm	17×31mm	16.4×45mm	29×45mm





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