ALLSHENG

Dry Bath Incubator



DOMINIQUE DUTSCHER SAS

Precise Temperature Control
Suitable for Various Consumables

HANGZHOU ALLSHENG INSTRUMENTS CO., LTD.

MK-3000 Dry Bath Incubator

Many experiments require precise temperature control while rapidly heating/cooling. The MK-3000 achieves precise control of sample temperature by using Peltier technology.



Easy module replacement

Simple and quick module replacement by flipping the handle

Module identification

Automatic smart recognition module for automatic adjustment of settings

4.3-inch touch screen

Intuitive and easy operation, freely programmable
Display temperature time run curves for easy reading and access

Fast cooling

Rapid cooling rate up to 5°C/min
Reduce waiting time

Precise temperature control

Focus on temperature control function
Meet experimental heating and cooling needs

Specification

Type	heating/cooling
Temp. control range	-10 °C~105 °C
Time setting	99 h59 min/99 min59 s
Temp. control accuracy @20 °C~50 °C	±0.5 °C
Temp. uniformity @20 °C~50 °C	±0.5 °C
Display accuracy	0.1 °C
Heating time 20 °C~100 °C	≤10 min
Cooling time 100 °C~20 °C	≤10 min
Cooling time 25 °C~4 °C [1]	≤15 min (25 °C~0 °C)
Cooling time 20 °C~0 °C [2]	≤15 min (25 °C~-10 °C)
Heating rate gear [3]	5 gears can be set
Cooling rate gear	5 gears can be set

Program number	50
A single program can be divided into number	5
Cycle number	99
Module identification function	Yes
Display	4.3 inch touch screen
Port	USB (program related); 4-pin plug (thermo lid related)
ThermoLid	Yes (optional)
Thermo lid Temp. range	RT+5 °C~110 °C
Maximum power	200 W
Net weight (including modules)	≤7 Kg
Size (W×D×H) mm	220×318×154

[1] Indicates detection at ambient temperature ≤ 25 °C

[2] Indicates detection at ambient temperature ≤ 20 °C

[3] 5 gears including: MAX, 3 °C/min, 2 °C/min, 1 °C/min, 0.1 °C/min

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Suitable Module and Thermo Lid

According to different needs, Allsheng has designed their own modules for consumables such as 0.2 ml to 50 ml centrifuge tubes, MTP, DWP, 96/384 PCR plates and so on.

All modules are equipped with a convenient replacement mechanism, making module replacement quick and easy. No tools required, just press the handle on the rear of the module to remove the module in seconds. In addition, the thermal insulation module considers the user's safety and effectively prevents burning fingers.



5.0 mL | 12.5 mL | Cryo | 15 mL | 50 mL | DWP 500 | DWP 1000 | PCR 96 | PCR 384



Plate-1 | Plate-2 | 0.5 mL | 0.5 mL+1.5 mL | 1.5 mL | 12 mL | L-Lid Transparent Lid | H-Lid Transparent Lid | Thermo Lid

Ordering Information

Code	Description
AS-01280-00	MK-3000 dry bath incubator (heating and cooling type), 100-24V AC, 200 W

Code	Type	Description	Max. speed	Max. Temp.	Thermo lid available
AS-02081-01	MateB 0.5 mL	24×0.5 mL tube	2000 rpm	105 °C	✓
AS-02081-02	MateB 1.5 mL	24×1.5 mL tube	2000 rpm	105 °C	✓
AS-02081-03	MateB 2.0 mL	24×2.0 mL tube	2000 rpm	105 °C	✓
AS-02081-04	MateB 0.5 mL+1.5 mL	15x0.5 mL+20×1.5 mL tube	2000 rpm	105 °C	✓
AS-02081-05	MateB 5.0 mL	8×5 mL tube	1000 rpm	105 °C	✓
AS-02081-06	MateB 12 mm	24×φ12 mm tube	2000 rpm	105 °C	-
AS-02081-08	MateB Cryo	24x1.5 mL/2.0 mL cryovial	2000 rpm	105 °C	-
AS-02081-09	MateB 15 mL	8×15 mL tube	1000 rpm	105 °C	-
AS-02081-10	MateB 50 mL	4×50 mL tube	1000 rpm	105 °C	-
AS-02081-11	MateB Plate-1	96x0.2 mL microplate	3000 rpm	105 °C	✓
AS-02081-12	MateB Plate-2	96x2 mL deepwell plate	1000 rpm	105 °C	-
AS-02081-13	MateB PCR 96	96x0.2 mL PCR plate	2000 rpm	105 °C	✓
AS-02081-14	MateB PCR 384	384-well PCR plate	3000 rpm	105 °C	✓
AS-02081-15	MateB DWP 500	96/500 µL deepwell plate	1600 rpm	105 °C	✓
AS-02081-16	MateB DWP 1000	96/1,000 µL deepwell plate	1600 rpm	105 °C	✓
AS-02081-17	MateB L-Lid	L-Lid transparent lid (low) is suitable for MateB 0.5 mL, 1.5 mL, 2.0 mL, 5 mL, Plate-1, Plate-2, PCR96 and PCR384			
AS-02081-18	MateB H-Lid	H-Lid transparent lid (high) is suitable for MateB DWP 500/1000			
AS-02081-26	ThermoLid	Thermo lid			

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MK2000 Series Dry Bath Incubator

MK2000 series dry bath incubator has precise temperature control, high-quality design and beautiful appearance. The instrument and module are available in a variety of models and are widely used. It is a high-quality product with high cost performance. Among them, MK2000-2E dry bath incubator can independently heat and maintain a constant temperature for 2 modules. Ideal for multiple users or experiments that require rapid temperature transitions.

MK2000-2HL dry bath incubator has PCR thermo lid technology, explosion-proof tubes and touch screen operation.



MK2000-1



MK2000-2



MK2000-2E

Features

- LED LCD display temperature time
- Simple and convenient operation, optional built-in sensor or external sensor, automatic fault detection and buzzer alarm function, convenient for users to use and maintain
- RT. +5 °C~105 °C temperature deviation calibration function, fast heating rate
- Built-in over-temperature protection device and temperature deviation calibration function, precise control of experimental conditions
- Multiple safety protection functions, comply with CE safety standards, safe and reliable
- It is suitable for 0.2 mL-50 mL sample tube modules, which can be freely selected by users. The modules are easy to replace, easy to clean and sterilize. Special specifications modules can be designed and customized to meet the special needs of users.



MK2000-2HL

Special Features of MK2000-2HL

- Touch screen design, simple and intuitive operation. The display can display the temperature and time curve in real time
- With temperature, time cycle function, with PCR thermo lid technology
- Double module and provide stainless steel cover for explosion-proof tube

Specification

	MK2000-1	MK2000-2	MK2000-2E	MK2000-2HL
Temperature control range	RT.+5 °C~105 °C	RT.+5 °C~105 °C	RT.+5 °C~105 °C	RT.+5 °C~100 °C
Timer range	1 min-99 h59 min	1 min-99 h59 min	1 min-99 h59 min	1 min-99 h59 min
Temp. stability @100 °C	≤0.5 °C	≤0.5 °C	≤0.5 °C	≤0.5 °C
Uniformity: within the block @37 °C	±0.2 °C	±0.2 °C	±0.2 °C	±0.2 °C
Uniformity: across similar block @37 °C	----	±0.3 °C	----	±0.3 °C
Heating time (25 °C to 105 °C)	≤20 min	≤20 min	≤20 min	≤20 min
Display accuracy	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Block quantity	1	2	2 (Independent)	2
Weight	2.5 kg	4.5 kg	4.5 kg	5.5 kg
Dimension (mm)	250×190×130	365×210×150	365×210×150	420×225×145

Ordering Information

Code	Description
AS-01180-00	MK2000-1, AC220 V/AC120 V, 50/60 Hz, 100 W
AS-01190-00	MK2000-2, AC220 V/AC120 V, 50/60 Hz, 200 W

Code	Description
AS-01120-00	MK2000-2E, AC220 V/AC120 V, 50/60 Hz, 200 W
AS-01210-00	MK2000-2HL(thermo lid), AC220 V/AC120 V, 50/60 Hz, 200 W

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MK2000 Suitable Module



Code	Type	Description
AS-01181-01	BH01	96×0.2 mL PCR tubes
AS-01181-02	BH02	45×0.5 mL tubes
AS-01181-03	BH03	35×1.5 mL tubes
AS-01181-04	BH04	35×2.0 mL tubes
AS-01181-05	BH05	15×0.5 mL+20×1.5 mL tubes
AS-01181-06	BH06	20×1.5 mL+15×2.0 mL tubes
AS-01181-07	BH07	32×0.2 mL+22×0.5 mL+9×1.5 mL tubes
AS-01181-08	BH08	20×5 mL tubes
AS-01181-09	BH09	20×10 mL tubes
AS-01181-10	BH10	12×15 mL tubes
AS-01181-11	BH11	6×50 mL tubes
AS-01181-12	BH12	96×0.2 mL Elisa plate or 4 slides
AS-01181-13	BH13	Solid block (no holes)
AS-01181-14	BH14	384 well PCR plate
AS-01181-15	BH15	40×φ6 mm tubes

Code	Type	Description
AS-01181-16	BH16	28×φ10 mL tubes
AS-01181-17	BH17	24×φ12 mL tubes
AS-01181-18	BH18	24×φ13 mL tubes
AS-01181-19	BH19	14×φ15 mL tubes
AS-01181-20	BH20	14×φ16 mL tubes
AS-01181-21	BH21	12×φ19 mL tubes
AS-01181-22	BH22	11×φ20 mL tubes
AS-01181-23	BH23	6×φ26 mL tubes
AS-01181-24	BH24	6×φ28 mL tubes
AS-01181-25	BH25	2×φ40 mL tubes
AS-01181-26	BH26	2×7-12.5×12.5 cuvette
AS-01181-27	PT1000	External extraction tool
AS-01181-28	T4	Block extraction tool
AS-01211-01	L4	Stainless plate

MK2000-2HL can just use the BH01~BH08, BH12~BH14 blocks, L4 is special for MK2000-2HL

MK200 Series High Temperature Dry Bath Incubator

MK200 series high temperature dry bath incubator is controlled by microcomputer, the maximum temperature can reach 150 °C. It can replace the traditional water bath device and is easy to use. It can be widely used in sample preservation and reaction, DNA amplification and electrophoresis predenaturation, serum coagulation, etc.



MK200-1 MK200-1A MK200-2 MK200-4

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Specification

Specification	MK200-1	MK200-1A	MK200-2	MK200-4
Temperature control range	RT.+5 °C~150 °C	RT.+5 °C~150 °C	RT.+5 °C~150 °C	RT.+5 °C~120 °C
Timer range	1 min-99 h59 min	1 min-99 h59 min	1 min-99 h59 min	1 min-99 h59 min
Temp. stability @100 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Temp. control accuracy @40 °C	±0.3 °C	±0.3 °C	±0.3 °C	±0.3 °C
Temp. control accuracy @120 °C	±1 °C	±1 °C	±1 °C	±1 °C
Heating time (25 °C to 150 °C)	≤30 min	≤30 min	≤30 min	≤30 min
Display accuracy	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Dimension (mm)	280×240×110	280×240×110	280×240×110	380×240×110
Block quantity	1	1	2	4
Display screen	LED	LED	LED	LED

Ordering Information

Code	Description
AS-01080-00	MK200-1, AC220 V/AC120 V, 50/60 Hz, 200 W
AS-01090-00	MK200-1A, AC220 V/AC120 V, 50/60 Hz, 200 W
AS-01100-00	MK200-2, AC220 V/AC120 V, 50/60 Hz, 400 W
AS-01110-00	MK200-4, AC220 V/AC120 V, 50/60 Hz, 600 W

MK200 Suitable Module

Code	Type	Description
AS-01081-01	BK01	49×φ6 mm
AS-01081-02	BK02	49×φ7 mm
AS-01081-03	BK03	25×φ10 mm
AS-01081-04	BK04	25×φ12 mm
AS-01081-05	BK05	25×φ13 mm
AS-01081-06	BK06	12×φ15 mm
AS-01081-07	BK07	16×φ15 mm
AS-01081-08	BK08	12×φ16 mm
AS-01081-09	BK09	16×φ16 mm
AS-01081-10	BK10	12×φ19 mm
AS-01081-11	BK11	16×φ19 mm
AS-01081-12	BK12	9×φ20 mm
AS-01081-13	BK13	9×φ26 mm
AS-01081-14	BK14	4×φ28 mm
AS-01081-15	BK15	4×φ40 mm
AS-01081-16	BK16	49×0.5 mL tubes
AS-01081-17	BK17	25×1.5 mL tubes
AS-01081-18	BK18	25×2.0 mL tubes
AS-01091-01	BK19	96×0.2 mL tubes (only used in MK200-1A)
AS-01091-02	BK20	96×0.2 mL ELISA plate (only used in MK200-1A)


BK01

BK02

BK03

BK04


BK05


BK06


BK07


BK08


BK09


BK10


BK11


BK12


BK13

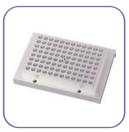

BK14


BK15


BK16


BK17


BK18


BK19


BK20

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MK-10/MK-20 Dry Bath Incubator

MK-10 dry bath incubator is controlled by microcomputer; MK-20 dry bath incubator is controlled by microcomputer and with semiconductor refrigeration technology. The instrument can be configured with a variety of modules, which can be widely used in the preservation of samples, preservation and reaction of various enzymes, denaturation of nucleic acids and proteins, PCR reaction, pre-denaturation of electrophoresis, and coagulation of serum.

Features

- LCD display. It is easy to set up and use
- Automatic fault detection and buzzer alarm function, convenient to use and maintain
- The powerful programmable function implements the control of multiple temperature points, and the temperature and constant temperature time setting and continuous operation of up to 5 temperature points improve the repeatability of the experiment.
- Built-in over-temperature protection device and temperature deviation calibration function, precise control of experimental conditions
- Multiple safety protection functions, comply with CE safety standards, safe and reliable
- It is suitable for 0.2 mL-50 mL sample tube modules, which can be freely selected by users. The modules are easy to replace, easy to clean and sterilize, and the modules with special specifications can be designed and customized to meet the special needs of users.



Specification

Specification	MK-10	MK-20
Temperature control range	RT.+5 °C-100 °C	-10 °C-100 °C
Timer range	1 min-99 h59 min	1 min-99 h59 min
Temp. stability @100 °C	±0.5 °C	±0.5 °C
Display accuracy	±0.1 °C	±0.1 °C
Heating time (<30 °C)	40 °C-100 °C≤12 min	25 °C-100 °C≤15 min
Cooling time (≤20 °C) (<30 °C)	----	≤15 min (25 °C to -10 °C) ≤15 min (25 °C to 0 °C)
Certificate	CE	CE
Dimension (mm)	300×220×180	300×220×180
Weight	2.5 kg	5 kg

Ordering Information

Code	Description
AS-01040-00	MK-10 (heating) AC220 V/120 V, 50/60Hz, 150 W
AS-01050-00	MK-20 (heating/cooling) AC220 V/120 V, 50/60Hz, 200 W

MK-10/MK-20 Suitable Module

Code	Type	Description	The Highest Temp.	The Lowest Temp. (MK-20)
AS-01051-01	A	96×0.2 mL tubes	100 °C	-10 °C
AS-01051-02	B	54×0.5 mL tubes	100 °C	-10 °C
AS-01051-03	C	35×1.5 mL tubes	100 °C	-10 °C
AS-01051-04	D	35×2.0 mL tubes	100 °C	-10 °C
AS-01051-05	E	15×0.5 mL+20×1.5 mL tubes	100 °C	-10 °C
AS-01051-06	F	24×≤φ12 mm tubes	100 °C	0 °C
AS-01051-07	G	12×15 mL Falcon	100 °C	0 °C
AS-01051-08	H	6×50 mL Falcon	100 °C	0 °C
AS-01051-09	I	103×67×30 mL bath block	100 °C	0 °C
AS-01051-10	J	96×0.2 mL microplate	100 °C	0 °C
AS-01051-11	K	24×5 mL tubes	100 °C	0 °C
AS-01051-12	L	96 deepwell plate	80 °C	8 °C
AS-01051-13	M	15×5 mL Eppendorf tubes	100 °C	0 °C
AS-01051-14	N	24×2 mL tubes (deep-hole)	100 °C	0 °C
AS-01051-15	O	24×1.5 mL tubes (deep-hole)	100 °C	0 °C
AS-01051-16	P	Deepwell plate 96/1000 μL	100 °C	0 °C
AS-01051-17	Q	MTPs and deepwell plate	100 °C	0 °C



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K30 Dry Bath Incubator

Specification

Temperature control range	RT.+5 °C-100 °C
Timer range	1 min~99 h59 min
Temp. control accuracy	±0.5 °C
Heating time (40 °C to 100 °C)	≤12 min
Dimension (L×W×H) mm	225×160×197
Weight	3 kg

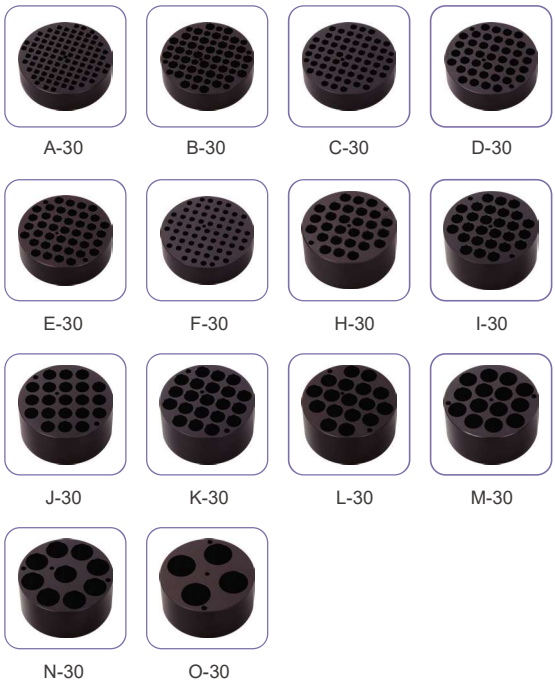


Ordering Information

Code	Description
AS-01030-00	K30, AC220 V/AC120 V, 50/60 Hz, 100 W

K30 Suitable Module

Code	Type	Description
AS-01031-01	A-30	96×0.2 mL tubes
AS-01031-02	B-30	29×0.5 mL+ 32×1.5 mL tubes
AS-01031-03	C-30	61×0.5 mL tubes
AS-01031-04	D-30	41×1.5 mL tubes
AS-01031-05	E-30	41×2.0 mL tubes
AS-01031-06	F-30	61×φ6 mm tubes
AS-01031-07	H-30	28×φ12 mm tubes
AS-01031-08	I-30	28×φ13 mm tubes
AS-01031-09	J-30	21×φ15 mm tubes
AS-01031-10	K-30	21×φ16 mm tubes
AS-01031-11	L-30	17×φ18 mm tubes
AS-01031-12	M-30	14×φ20 mm tubes
AS-01031-13	N-30	9×φ25 mm tubes
AS-01031-14	O-30	4×φ32 mm tubes



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MiniT Series Dry Bath Incubator

MiniT series mini dry bath incubator is controlled by microcomputer and can be applied to vehicle power supply. Small size, light weight, easy to move, suitable for various occasions.

Features

- Real-time temperature display, time decrement display
- Small size, palm size only; light weight, less than 1 kg
- 12V or 24V DC power input, built-in over-temperature protection device, suitable for vehicle power supply
- Automatic fault detection and buzzer alarm function
- Easy module replacement for easy cleaning and sterilization

Application

- Sample preservation
- Biochemical reactions at low temperatures
- Enzymatic ligation of DNA fragments for recovery from agarose gels
- cfDNA synthesis
- DNA, RNA and protein denaturation
- Proteinase K digestion
- Enzyme linking



MiniT



MiniT-C



MiniT-100



MiniT-100H

Specification	MiniT	MiniT-C	MiniT-100	MiniT-100H
Temperature control range	RT.+5 °C~80 °C	0 °C~100 °C	RT.+5 °C~100 °C	RT.+5 °C~100 °C
Timer range	1-999 min or 1-999 sec	1-999 min or 1-999 sec	1-999 min or 1-999 sec	1-999 min or 1-999 sec
Temp. control accuracy	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Display accuracy	±0.1 °C	±0.1 °C	±0.1 °C	±0.1 °C
Heating time (25 °C to Max.)	≤12 min	≤20 min	≤15 min	≤15 min
Cooling time (20 °C to 0 °C)	----	≤25 min	----	----
Temp. stability	±0.3 °C	±0.3 °C	±0.3 °C	±0.3 °C
Thermo lid	----	----	----	Thermo lid
Thermo lid Temp. control range	----	----	----	RT.+5 °C~100 °C
Dimension (L×W×H) mm	150×110×100	162×110×140	152×120×112	152×120×112
Weight	0.5 kg	1.0 kg	0.8 kg	0.9 kg
Power supply	DC12 V	DC12 V	DC24 V	DC24 V

Ordering Information

Code	Description
AS-01130-00	MiniT mini dry bath, DC12 V, 40 W
AS-01170-00	MiniT-C mini dry bath, DC12 V, 60 W

Code	Description
AS-01150-00	MiniT-100 mini dry bath, DC24 V, 40 W
AS-01160-00	MiniT-100H mini dry bath, DC24 V, 50 W

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MiniT-H2C/MiniT-H3 Dry Bath Incubator

Mini-H2C/MiniT-H3 is a 3-in-1 independent temperature control mini dry bath incubator controlled by microcomputer. Buying one instrument has the functions of 3 instruments. From now on, there is no need to wait for enzyme digestion, fixation, gel recovery, etc.

Features

- 3 independent working modules for temperature control
- Small size and light weight
- Real time temperature display, time decrement display, automatic fault detection and alarm function
- MiniT-H3 has a heating function only with temperature range: RT.5 °C~99.9 °C
- MiniT-H2C has a heating/cooling function with temperature range: 0 °C~99.9 °C
- Convenient module replacement for easy cleaning and sterilization



Mini-H2C

Specification

	MiniT-H2C			MiniT-H3		
Working area	Block-A	Block-B	Block-C	Block-A	Block-B	Block-C
Temperature control range	0 °C to 99.9 °C	RT.5 °C to 99.9 °C	RT.5 °C to 99.9 °C	RT.+5 °C to 99.9 °C	RT.+5 °C to 99.9 °C	RT.+5 °C to 99.9 °C
Heating time (25 °C to 99.9 °C)	≤20 min	≤20 min	≤20 min	≤20 min	≤20 min	≤20 min
Cooling time (20 °C to 0 °C)	≤25 min *	----	----	----	----	----
Temp. control accuracy	≤0.5 °C			≤0.5 °C		
Temp. stability @37 °C	0.2 °C			0.2 °C		
Display accuracy	0.1 °C			0.1 °C		
Timer range	1~999 h or 1~999 min or 1~999 sec			1~999 h or 1~999 min or 1~999 sec		
Block quantity	3			3		
Power supply	DC12 V, 120 W			DC12 V, 120 W		
Dimension (mm)	360×180×150			360×180×150		
Weight	3 kg			3 kg		

* Tested in ambient temperature<25 °C

Ordering Information

Code	Description
AS-01220-00	Mini-H3 3-in-1 mini dry bath
AS-01230-00	Mini-H2C 3-in-1 mini dry bath

MiniT Suitable Module

Code	Type	Description
AS-01131-01	A-MiniT	40×0.2 mL tubes
AS-01131-02	B-MiniT	24×0.5 mL tubes
AS-01131-03	C-MiniT	15×1.5 mL tubes
AS-01131-04	D-MiniT	15×2.0 mL tubes
AS-01131-05	E-MiniT	8×12.5×12.5 mL cuvette block
AS-01131-06	F-MiniT	4×15 mL tubes
AS-01131-07	G-MiniT	2×50 mL tubes
AS-01131-99	Can be customized	


A-MiniT


B-MiniT


C-MiniT


D-MiniT


E-MiniT


F-MiniT


G-MiniT

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