



# ALEM3000/3000C Thermo Shaker Incubator 200-1500 rpm

Heating/Cooling Heating

LCD



Smart air circulation

Download Catalogue



RT+5°C / 0°C to 105°C



## TFT 4.3 inch Touch Display

Microcomputer control temperature and oscillation frequency with timing functions, Built-in power-off protection can automatically resume operation after power on.



## High Precision speed Control

Speed control : Intelligent Brushless DC motor, High speed accuracy, Slow start design, Auto lock if speed out of contro.



## Timing function

within the dual time range 99 h 59 min / 99 min 59 s the incubation – shaking time time can be set arbitrarily.



## Programming Shaking method

Continuous or timing shaking, alarm after expire settings time, with automatic function switch off. 50 programs with 5 steps programming each.



## Intelligent Brushless DC motor

Prevent graphite pollution, maintenance free,

- Convenient block replacement method, only need to flip the block handle to quickly replace. In addition, thermo lid accessories with a magnetic port design can effectively improve the temperature uniformity in the test tube, avoid changes in the concentration of reagents in the test tube caused by liquid evaporation and condensation, and ensure the stability of the reaction conditions.

- When incubating test tubes, PCR plates, etc., condensation will form on the tube walls and caps. COLO new generation of

### Optional Performance Component – ThermoLid

- temperature control and mixing instrument with Thermo Lid technology that reliably prevents condensation inside the tube, allowing
- consistent sample concentrations over the incubation time.
- Thermo Lid has height-adjustable technology, which makes the thermal lid fit on the top of the sample tube and closely contact
- with the sample, providing more precise temperature control, enabling better heat transfer anywhere in the sample tube, and
- improving temperature uniformity for safe sample heating
- Links with automatic identification and user-friendly operation
- Obtain constant reaction conditions for best results
- Thermo Lid can be used with various blocks that load tubes below 5 mL, such as 0.5 mL, 1.5 mL, 5 mL and 96 PCR plates.

### Blocks

- All blocks are equipped with a convenient replacement mechanism, making block replacement quick and easy. No tools required, just press the handle on the rear of the block to remove the block in seconds. In addition, the thermal insulation block considers the user's safety and effectively prevents burning fingers.
- Various standard sample blocks are available, and the
- blocks can be automatically identified

Thermo Shaker Incubator		
Model	ALEM3000	ALEM3000C
Temperature range	RT+5°C-105°C	0°C-105°C
Cooling method	x	Peltier
Mixing speed	200-1500rpm	
Temp. control accuracy	@20 °C-50 °C: ±0.5 °C	
Temp. uniformity	@20 °C-50 °C: ±0.5 °C	
Display accuracy	0.1 ° C	
Max heating speed:	5,5°C/min	
Program number	50 (x 5 steps in each program)	
Cycle number	99	
Mixing amplitude	3mm	
Speed accuracy	±1rpm	
Block identification function	Yes	
Display	TFT 4.3 inch touch screen	
Port	USB (program related); 4-pin plug (with optional thermos lid related)	
Drive mode	Multidimensional drive	
Over heating protection	Yes up to 150 °C	
Cooling System	No	Yes
Rated power	200W	200W
Timer	DUAL time range up to 99 h 59 min / 99 min 59 s	
Running function	Setting or program running, timing running, automatic stop, quick stop start, one-button illumination, two-way automatic switching	
Temperature Sensor	Pt100 A Class	
Additional features	Temp. deviation correction, menu button lock, power failure memory	
Power supply (50/60Hz)	AC220V±10%/50/60Hz	
NW with Block and TL/GW kg	9/10	10/11
Optional accessories	Blocks, ThermoLid	

**Please note**

If this Incubator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

## COLO LabExperts

Laboratory Equipment production and Distribution

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[www.colo.si](http://www.colo.si)

Block Code	Aperture and number of test tubes	Max. Temp.	Max. Rpm
AS-02081-01	MateB 0.5 mL 0.5 mL - 24x0.5 mL tube	105°C	1500rpm
AS-02081-02	MateB 1.5 mL 24x1.5 mL tube	105°C	1500rpm
AS-02081-03	MateB 2.0 mL 35*1.5ml centrifuge tube	105°C	1500rpm
AS-02081-04	MateB 0.5 mL+1.5 mL 15x0.5 mL+20x1.5 mL tube	105°C	1500rpm
AS-02081-05	MateB 5.0 mL 8x5 mL tube	105°C	1000rpm
AS-02081-06	MateB 12 mm 24xΦ12 mm tube	105°C	1500rpm
AS-02081-08	MateB Cryo 24x1.5 mL / 2.0 mL cryovial	105°C	1500rpm
AS-02081-09	MateB 15 mL 8x15 mL tube	105°C	1500rpm
AS-02081-10	MateB 50 mL 4x50 mL tube	105°C	1000rpm
AS-02081-11	MateB Plate-1 96x0.2 mL microplate	105°C	1500rpm
AS-02081-12	MateB Plate-2 96x2 mL deep well plate	105°C	1000rpm
AS-02081-13	MateB PCR 96 96x0.2 mL PCR plate	105°C	1500rpm
AS-02081-14	MateB PCR 384 384-well PCR plate	105°C	1500rpm
AS-02081-15	MateB DWP 500 96 / 500 µL deep well plate	105°C	1500rpm
AS-02081-16	MateB DWP 1000 96 / 1,000 µL deep well plate	105°C	1500rpm
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 ThermoLid		



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