



Microplate Centrifuge

MP-2500 Manual



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Packing List

No.	Item	Model/Type	Quantity	Confirm
1	Micro Plate Centrifuge	MP-2500	1	
2	Adapters for tubes		2	
3	Power Line	DC24V	1	
4	QC PASS Card		1	
5	Manual		1	
QC:		Date:		

General Information

Thank you for purchasing our Product.

This Manual for users contains function and operation of the Instrument. In order to use the instrument properly, please read this manual carefully before operation.

Please check the instrument and accessories with the packing list at the first time you open the instrument packing case.

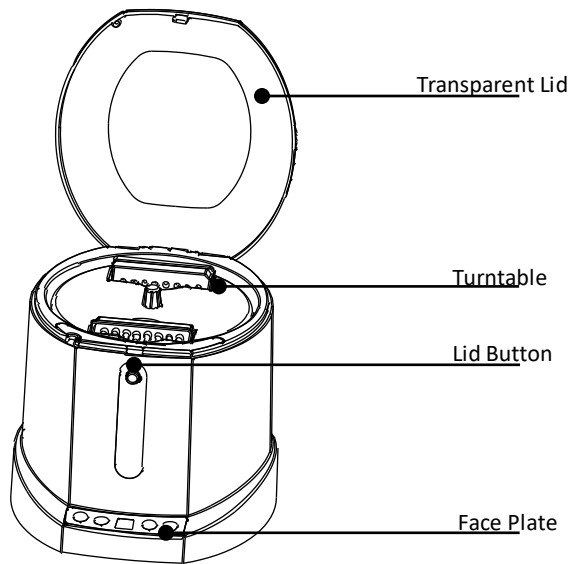
Microplate Centrifuge

1. Introduce

MP-2500 is a transient centrifuge designed for microplates, which is convenient for the wall drops. It is suitable for 96-well, 384 and small-capacity micro plates, as well as skirts and various standard PCR microplates.

2. Operation Guide

2.1 The Structure



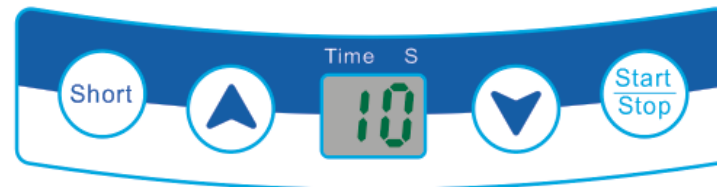
Performance Test

Item	Microplate Centrifuge	Model	MP-2500	
Date		Serial No.		
No.	Content	Methods	Standards	Results
1	Basic Function	Visual check	Valid	<input type="checkbox"/> Qualified
2	Appearance	Visual check	Pass	<input type="checkbox"/> Qualified
3	Label	Visual check	Pass	<input type="checkbox"/> Qualified
4	Speed	Tachometer	2800±10%rpm	<input type="checkbox"/> Qualified
5	Deceleration Time	Calculagraph	T≤6s	<input type="checkbox"/> Qualified
6	Noise Level	Sound Level Meter	≤60dB	<input type="checkbox"/> Qualified
7	Amplitude	Dial Gauge	≤0.3mm	<input type="checkbox"/> Qualified
8	Continuous Running Test	Operation	30 min for 5 times without problem	<input type="checkbox"/> Qualified
Result				
Remarks:				
QC:				Confirmer:

6. Troubles and Shootings

Troubles	Causes	Shootings
The rotor not working	1. The power cord not plugged in.	Check the power cord
	2. No power supply to the socket	Check the socket
	3. The switch not turning on	Check the switch
	4. The lid Not closed	Check the lid
Noise, severe vibration or abnormal noise after starting up	1. Not placed on a horizontal platform	Place it on a horizontal platform
	2. Loose screws	Tighten the screws
	3. Samples not placed symmetrically	Place the sample symmetrically
E1 error	Lid cant close	Contact supplier
E2 error	Over speed	Contact supplier
E3 error	Motor stalling	Contact supplier

2.2 Fane Plate and Display



2.3 Key functions



Press the up and down key to set the time.





The Short button




The start/stop button

2.4 The Operation


2.4.1 Timer Setting

- When the Instrument powers on, it starts self-checking with the sound of *de...*
- About 1s later, 10:00 in the time display is the last set time.
- Press  or  to set the timer. Long press to set the time quickly.

2.4.2 The Touch

Press  , it will run with the max. speed. When it reaches the maximum speed, the timer begins to work. It decelerates to stop when releasing **button**

2.4.3 The Start/Stop

Close the lid after setting the time. Then press  to run. When it reaches the maximum speed, the timing begins. Press the button during the running, it will decelerate to stop with 3 sound of *de...*

Note:

- It doesn't run with 2 sounds of *de...* and E1 is displayed if the cover not closing. The time will be displayed after closing the cover.
- Do not open the cover before the rotor stops.
- Samples should be placed symmetrically in equal quantities

3. Safety

- place on a stable work platform
- Don't move the instrument during operation

4. Clean

Clean the instrument with a dry cloth and a non-corrosive cleaning solution with a pH of 7 ± 1 ; Do not immerse the instrument in a liquid or use a liquid to wet the instrument; Ensure that all parts of the instrument are completely dry before running the instrument.

5. The Parameters

Voltage	DC24V, 2A	Power	48W
Speed	2800rpm	Noise	≤60dB
Max. RCF	600 xg	Speed Deviation	≤10%
Time	1~99s	Deceleration rate	≤6s
Dimension (mm)	220x245x200	Weight	2.5kg