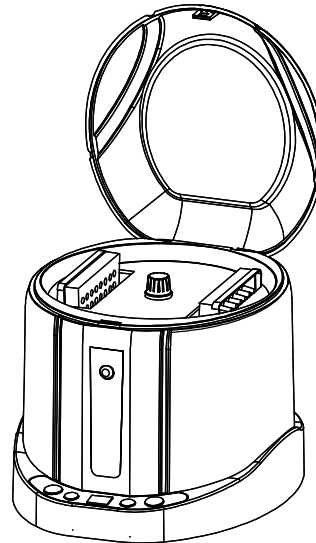


SMC-25 Micro-Plate Centrifuge

OPERATION MANUAL

Version 1.0



SMC-25 Micro-Plate Centrifuge

Packing List

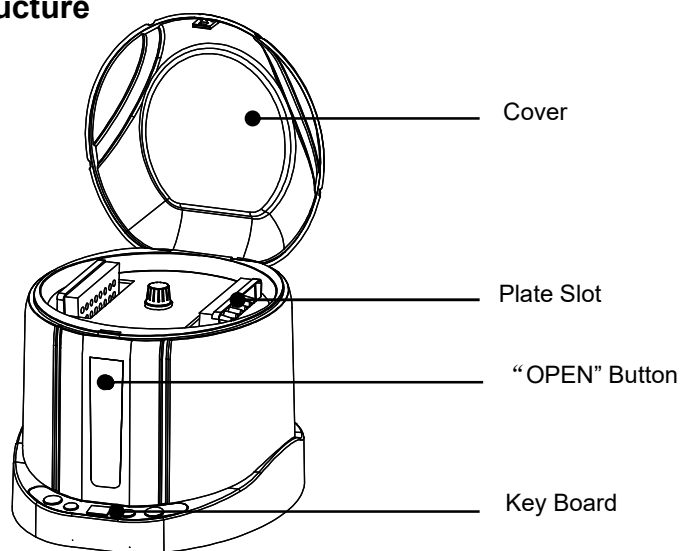
1. Introduction

Micro-Plates Centrifuge SMC-25 with two-position rotor is specially designed for plates centrifuging. Skirted, non-skirted and all standard PCR plates making are suitable for SMC-25. It can quickly spin down droplets and condensation.

No.	Name	Type	Quantity	Remarks
1	Micro-Plate Centrifuge	SMC-25	1	
2	Adapter	24V/3A	1	
3	Performance Test Statement		1	
4	Operation Manual		1	
5	Certification		1	
Charger: (Sign/Stamp)		Packing Date:		

2. Operation Instruction

2.1 Structure

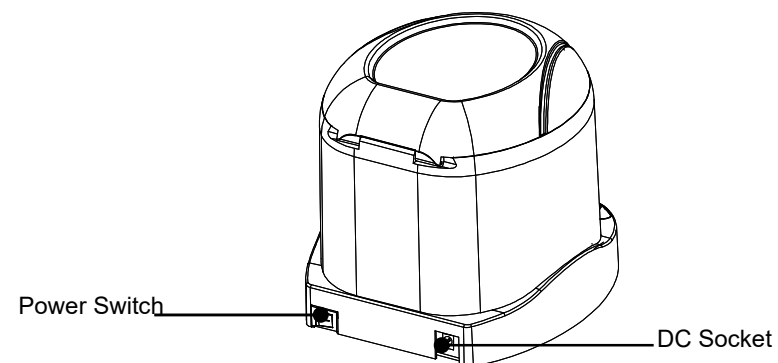


Performance Test Statement

Name	Micro-Plate Centrifuge	Type	SMC-25
Test Date		Production No.	
No.	Test Content	Standard	Test Results
1	Speed	2800 ± 30 rpm	<input type="checkbox"/> Qualified
2	Basic Function	Valid	<input type="checkbox"/> Qualified
3	Appearance Demand	Valid	<input type="checkbox"/> Qualified
4	Appearance Sign	Valid	<input type="checkbox"/> Qualified
5	Continuous Work Test	5 hours no irregular	<input type="checkbox"/> Qualified
Test Result			
Remarks:			
Tester:		Confirmer:	

7. Failure Analysis and Trouble Shooting

Phenomenon	Possible Causes	Processing Procedure
Instrument does not operate when power on	Power line problem	Check the power line
	No power	Check power situation
	Broken switch	Change the switch
	Cover is not closed well	Close the cover well again
Noisy and vibrate heavily when running	Working table is not stable	Put instrument to a stable and firm working stable
	Plates are not balanced	Use same plates with same load in each plate slot.
	Plates are not in place	Put plates in place



2.2 Keyboard and Display Panel



2.3 Key Function

- ▢ ▢ Adjust setting time. Press continuously to set timing quickly. Maximum setting time is 99 sec. Timing range is 1-99 sec.
- Short** Press 2 seconds and continuously press to rotate, release to stop running.
- Start/Stop** Press Start/Stop to start running as setting time or stop running.

2.4 Operation Guide

Put the instrument on a clean and stable working table in well ventilated areas. Connect power through the adapter. DC socket is on the rear part of the instrument. Push “I” of the main switch to power on the device, and push “O” to power off the device. Seal the plates before operating to avoid sample leak.

Push the “OPEN” button to open the cover. Put two same plates with same load to each plate slot (if only one sample plate need to be operated, make a same load plate with liquid to the other side). Make sure it is balance between the two sample plates. Well close the cover, and press “Short” to start operating, or set timing and press Start/Stop to run the instrument. Usually, 15 seconds operation could achieve experiment centrifugal effect.

Be sure the rotor is fully stopped, push the “OPEN” button to open the cover and fetch out the sample plates.

3. Notice

When the instrument achieves the top speed, it may cause slight motion. If it vibrates heavily, please check whether the load is balanced between the 2 plates. Please put the same plate to each slot.

4. Maintenance

Use mull with non-corrosive cleansing fluid ($\text{PH}=7 \pm 1$) to clean surface of the instrument. Operate the instrument after it dry out. Do not dip the instrument into fluid or water it.

5. Safety Warning

1. It is forbidden to touch the rotor or move the instrument before the rotor is fully stopped.
2. Do not use combustible, explosive and corrosive goods to the instrument.
3. Seal the plates before operating to avoid sample leaking.
4. Make sure the obverse side of plates toward to rotor.
5. Make sure the plates were fully put into the plate slot.
6. The instrument should be put on a stable and firm working stable.

6. Specification

Dimension: 219×190×186(mm)	Net Weight: 2100g
Power Input: AC120/230V, 50/60Hz	Fuse: 0.5A /1.0A
Capacity: 2 plates	Speed: 2800rpm
G Force: 627 g	Power: ≤45W