

# Microplate Centrifuge

## DS-450




### Product Overview

The DS-450 bench top micro plate centrifuge seamlessly integrates cutting-edge technology with substantial capacity.



### Product Features

1. LED display for easy parameter adjustment during operation, featuring a user-friendly program design. Customizable modes such as short spin, timed cycles, and rotational speeds ensure efficient and stable tests.
2. Impulse centrifugation provides instant acceleration to the desired speed, with automatic braking and fast shutdown for added safety.
3. Equipped with a maintenance-free DC brushless motor, allowing rapid acceleration and deceleration, enabling quick and efficient centrifugation of multiple samples.
4. Compact and uniquely designed, the centrifuge is user-friendly, allowing easy handling of microplates. The lid opens up to 90° for convenient access.
5. Efficiently disperses hanging liquids on tube walls before or after PCR tests, significantly enhancing test accuracy.
6. Manufactured in compliance with international safety regulations,
7. Safety features include an electrical lid interlock preventing door opening while the rotor is running. The machine will not operate if the lid is open, displaying an error code.
8. Emergency lid-lock release function activates in case of a power failure.
9. Equipped with a gas hinge for lid drop protection.
10. Various safety protections, including overspeed mechanisms, are integrated to ensure user and machine safety.

MODEL NO			DS-450		
Speed range(rpm)			0-3000rpm adjustable		
Max Capacity(ml)			2x96 well PCR plate / microplate, 24x8x0.2ml PCR strip tube, 192x0.2ml PCR tube		
Display			LCD		
Dimension(mm)			230x195x195mm		
Speed accuracy			±10rpm		
RCF range (xg)			0-600xg adjustable		
Time range			Short spin/ 1 ~ 99 seconds/ 1 ~ 99 minutes		
Motor			Frequency Converter motor		
Power supply			DC 24V power adapter (AC 100 ~ 230V 50/60Hz 5A), 55W		
Net weight(without rotor)			3.9 KGS		
No.	Item	Capacity	Rotational speed	Max.RCF	Note
NO.1	 Adapter	24×8×0.2ml	3000r/min	600xg	PCR tube-strip or 0.2ml PCR tube