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User's Manual

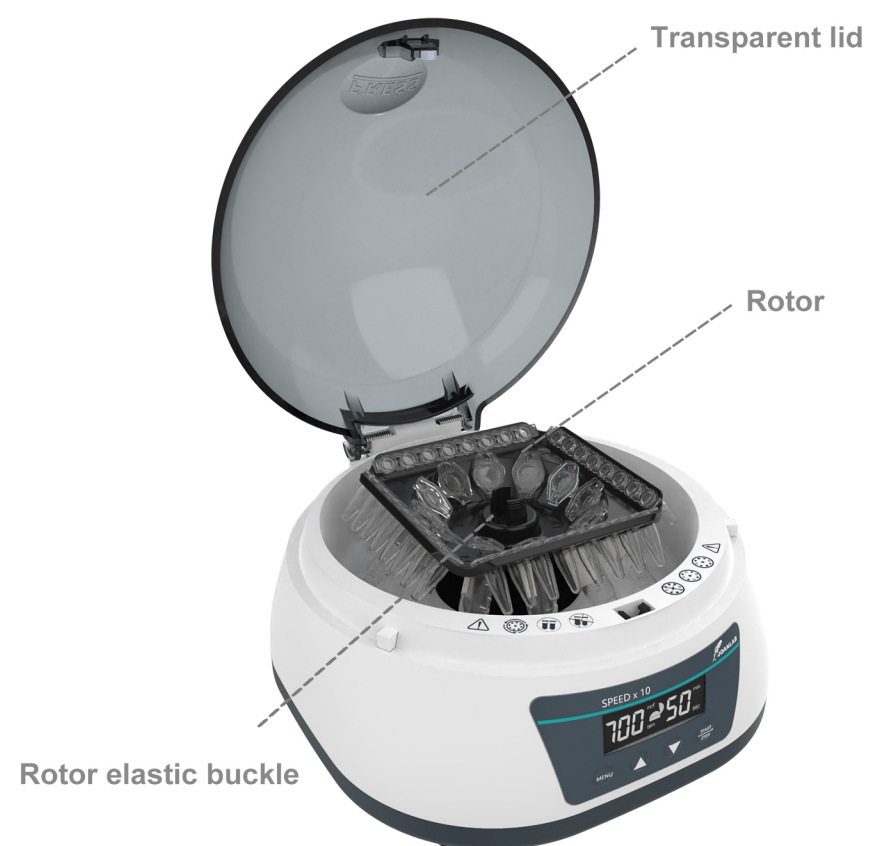
I: Brief introduction

JOANLAB brand mini centrifuge adopts international advanced design concepts and manufacturing technology, Smooth and beautiful appearance, compact and firm structure, high versatility, easy operation, it is a rare instrument for scientific research experiments. This mini centrifuge is mainly suitable for separating the solid particles in the suspension from the liquid or separating the two in the emulsion with different densities, it can also be used to remove liquid from wet solids.



II: Products overview



III: Products introduction



IV: Technical Data

Model	MC-7S	MC-4/7S	MC-5pro	MC-7pro
Product name	Mini Centrifuge		Digital Mini Centrifuge	
Product picture				
Control mode	PI power direct drive		PWM electronic speed regulation	
LCD display	NO		YES	
Max relative centrifugal force	3286xg	1080/3286xg	1680xg	3286xg
Max rotation speed	7000rpm±5%	4000/7000rpm±5%	5000rpm±5%	7000rpm±5%
Rotor capacity	Multi rotor: 0.2/0.5/1.5/2ml*12 (Centrifuge tube) + 0.2ml*8*4 (PCR stripe) 0.5/1.0ml*12 (Micro blood tube) Hematocrit rotor: 40mm*12 (Optional)			
Max speed acceleration/reduction	<12s / <15s			
Noise under max rotation speed	≤47db(A)			
Input power	25W	25W	25W	25W
Shell protection level	AC100-240V / DC24V			
Allow surrounding temperature	5~40℃, 80%RH			
Product Size	185*180*135 mm			
Package dimensions	350*170*230 mm			

IV: Operation guide

/// Basic operating guide

Application

> Mainly used to separate solid particles in suspension from liquid

Applied area

> It is widely used as an experimental tool in institutions of higher learning,environmental protection,sanitation,epidemic prevention,chemical industry,tap water.

Using Steps

MC-7S / MC-4/7S

- > Plug in
- > Place the centrifuge tube and turn on the power

MC-5Pro / MC-7Pro

- > Plug in the power
- > Place the centrifuge tube and close the lid
- > Turn on the switch and press the MENU button to select the number of revolutions or time
- > Press the up/down button to adjust the required speed and time
- > Press the STAT/STOP button to start and stop

⚠ Instrument use environment

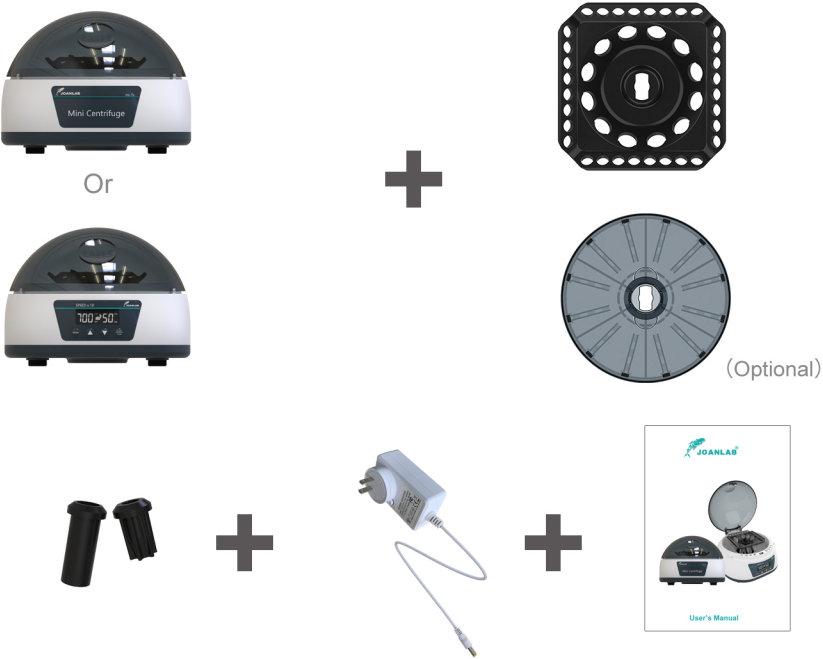
- > Indoor use
- > Altitude: ≤2000m
- > The working environment of the instrument is suitable for the temperature range of +5℃~+40℃
- > The applicable temperature range of the instrument is ≤80%
- > There is no vibration and airflow that affect performance around
- > Keep a safety distance of 10cm before and after the instrument is working

⚠ Safety Precautions

- > It is strictly prohibited to plug in the power connector and toggle the power button when the hands are wet with liquid!
- > It is strictly prohibited to unplug the power plug when the instrument is live!
- > It is strictly forbidden to maintain and clean the instrument when it is powered on!
- > It is strictly forbidden to install the instrument on an uneven, swaying and vibrating work surface!

Delivery package

- > Mini Centrifuge
- > Rotor
- > Adapter
- > Power Cable
- > User's manual



Certificate of Product Qualification

Product Name : **Mini Centrifuge**

Product Mode : ☐ MS-7S ☐ MS-4/7S ☐ MS-5pro ☐ MS-7pro

Production Date : _____