Mxmoonant 800-1

Mxmoonant Centrifuge Machine 800-1 User Manual

Model: 800-1

1. Introduction

The Mxmoonant 800-1 Centrifuge Machine is a benchtop electric centrifuge designed for efficient sample separation in laboratory, school, and scientific research settings. It features adjustable speed and time controls, a 20ml x 6 rotor capacity, and a transparent lid for observation. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your centrifuge.

2. Safety Information

Please read all safety instructions carefully before operating the centrifuge to prevent injury or damage to the equipment.

- **Symmetrical Loading:** Always insert tubes into the rotor symmetrically. Operating the machine with an unbalanced load can cause excessive vibration, noise, and potential damage to the unit or samples. If only one sample is being processed, balance it with a tube of clean water of equal volume and weight placed directly opposite.
- **Secure Lid:** Ensure the transparent lid is securely closed before starting operation. Never open the lid while the rotor is spinning.
- **Stable Placement:** Place the centrifuge on a stable, level, and vibration-free surface to ensure safe operation.
- **Power Supply:** Connect the centrifuge to a power outlet that matches the specified voltage (110V US Plug for this model).
- **Supervision:** Do not leave the centrifuge unattended during operation, especially during initial runs or when processing new sample types.



Image: The centrifuge rotor showing correct (symmetrical) and incorrect (asymmetrical) tube placement. Tubes must be inserted symmetrically to ensure balanced operation.

3. Product Overview

The Mxmoonant 800-1 Centrifuge Machine is equipped with features designed for ease of use and effective sample separation.

Key Features:

- **Adjustable Speed & Time:** Two rotary switches allow precise control over speed (0-3500 r/min) and time (0-60 minutes).
- **Rotor Capacity:** Accommodates 6 tubes of 20ml each.
- **Transparent Lid:** Provides visibility of the sample separation process during operation.
- **Anti-slip Foot Pads:** Ensures stability on the workbench.



Image: The Mxmoonant 800-1 Centrifuge Machine on a lab bench, demonstrating effective separation with a sample tube showing distinct layers.

Applicable Tube Types:

This centrifuge is compatible with various tube sizes, including:

- 10ml, 15ml round bottom plastic centrifuge tubes
- 5ml, 7ml, 10ml blood collection tubes



Image: A diagram illustrating different tube sizes and their dimensions compatible with the centrifuge.

Applications:

The 800-1 Centrifuge is suitable for a wide range of applications, including:

- Laboratory research
- Educational purposes in schools
- Medical and hospital settings (e.g., PRP separation)
- Beauty and aesthetic fields
- Dewatering algae samples



Image: Visual representation of the centrifuge's diverse applications in laboratory, beauty, school, and hospital environments.

4. Setup

Follow these steps to set up your Mxmoonant 800-1 Centrifuge Machine:

1. **Unpacking:** Carefully remove the centrifuge from its packaging and inspect for any signs of damage.
2. **Placement:** Place the centrifuge on a flat, stable, and level surface. Ensure there is adequate clearance around the unit for ventilation and safe operation. The anti-slip foot pads on the bottom help secure the unit.
3. **Power Connection:** Connect the power cord to the centrifuge and then to a suitable 110V AC power outlet.
4. **Rotor Check:** Verify that the rotor is securely installed inside the centrifuge chamber.

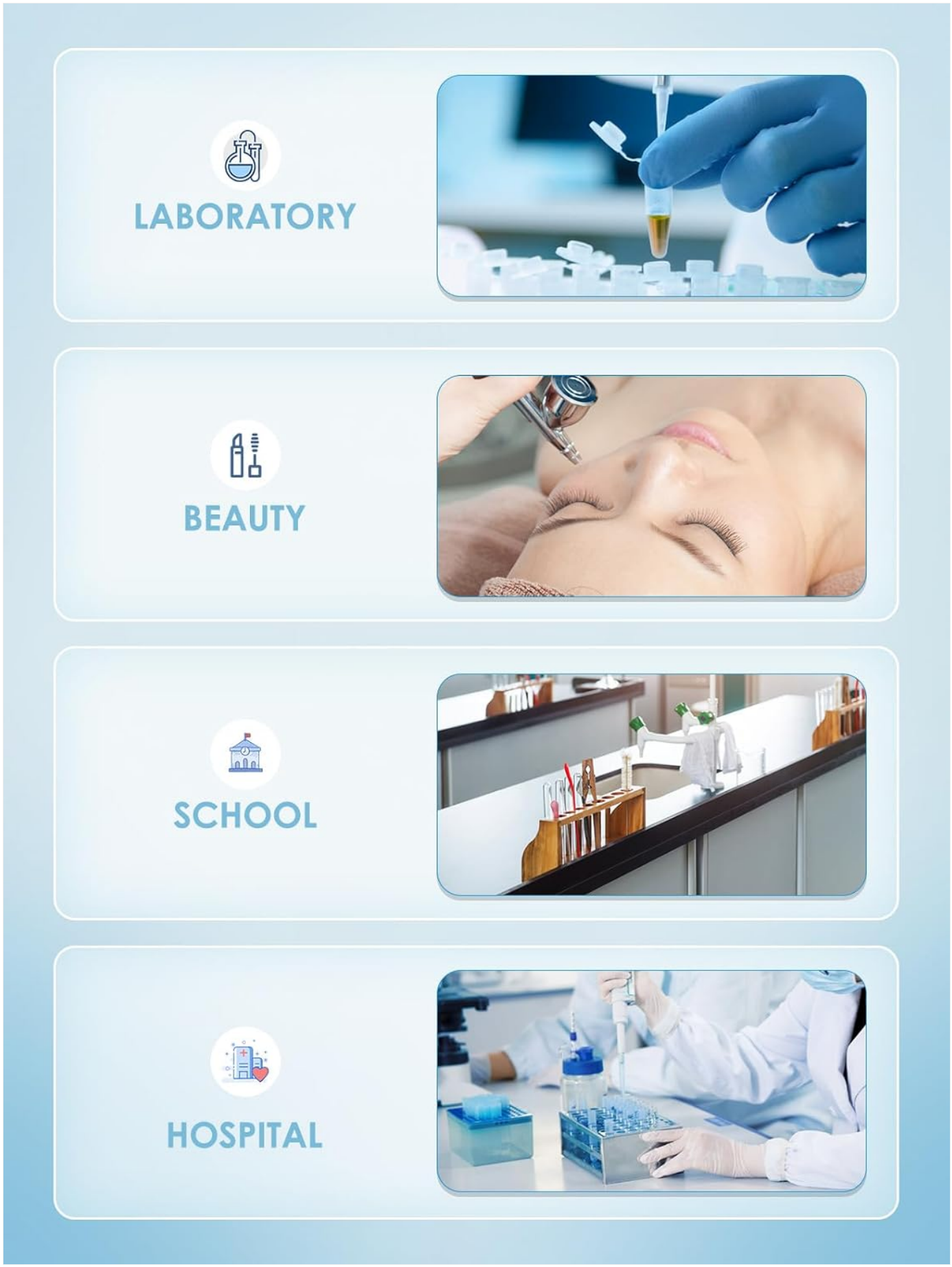


Image: Details of the centrifuge's transparent lid for observation and anti-slip foot pads for stability.

5. Operating Instructions

Operating the Mxmoonant 800-1 Centrifuge is straightforward:

1. **Prepare Samples:** Fill your centrifuge tubes with the samples to be processed. Ensure all tubes are capped securely.
2. **Load Tubes:** Open the transparent lid. Carefully place the prepared tubes into the rotor holes. It is critical to load tubes symmetrically to maintain balance during centrifugation. If you are using fewer than six tubes, ensure that the loaded tubes are evenly distributed around the rotor, with empty tubes (or tubes filled with water for balance) placed opposite each other.
3. **Close Lid:** Close the transparent lid firmly until it clicks into place.
4. **Set Time:** Use the 'TIME' rotary switch to set the desired centrifugation duration (0-60 minutes).
5. **Set Speed:** Use the 'SPEED' rotary switch to set the desired rotation speed (0-3500 r/min).
6. **Start Operation:** The centrifuge will begin operation once the time and speed are set.
7. **Monitor:** Observe the centrifugation process through the transparent lid.
8. **End of Cycle:** The centrifuge will automatically stop once the set time has elapsed. Wait for the rotor to come to a complete stop before opening the lid.
9. **Unload Samples:** Carefully open the lid and remove the processed sample tubes.



Image: The control panel of the Mxmoonant 800-1 Centrifuge, highlighting the speed and time adjustment knobs.

Official Product Video: Symmetrical Loading and Operation

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Video: This video demonstrates the correct procedure for symmetrically loading tubes into the centrifuge rotor and setting the time and

speed for operation. It highlights the importance of balanced loading for safe and efficient use.

Official Product Video: Centrifuge in Operation

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Video: This video shows the Mxmoonant 800-1 Centrifuge in active operation, demonstrating the spinning rotor and the overall functionality of the device.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your centrifuge.

- **Cleaning:** After each use, especially if there are spills, clean the rotor and centrifuge chamber with a soft cloth and a mild, non-corrosive cleaning solution. Ensure no liquid enters the motor or electrical components.
- **Lid Stability:** If the transparent lid becomes noisy during operation, it may indicate slight instability. A piece of tape wrapped around the cover can help increase stability and reduce noise.
- **Storage:** Store the centrifuge in a dry, clean environment away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the power cord for any damage and the rotor for wear or corrosion.

7. Troubleshooting

Refer to the following table for common issues and their solutions:

Problem	Possible Cause	Solution
Centrifuge does not start	No power supply; Lid not closed properly; Timer not set.	Check power connection; Ensure lid is firmly closed; Set the timer to a desired duration.
Excessive vibration or noise during operation	Unbalanced tube loading; Centrifuge not on a level surface; Loose lid.	Ensure tubes are loaded symmetrically; Place centrifuge on a stable, level surface; Secure the lid firmly, consider applying tape if noise persists.
Rotor does not reach set speed	Overloaded rotor; Incorrect speed setting.	Ensure total sample volume does not exceed rotor capacity; Verify speed setting on the knob.

8. Specifications

Detailed specifications for the Mxmoonant 800-1 Centrifuge Machine:

- **Model:** 800-1
- **Brand:** Mxmoonant
- **Speed Range:** 0-3500 r/min
- **Time Range:** 0-60 minutes
- **Rotor Capacity:** 6 x 20ml
- **Maximum Relative Centrifugal Force (RCF):** 1790 XG
- **Motor Power:** 50W
- **Noise Level:** ≤50dB
- **Item Weight:** 6.73 pounds
- **Package Dimensions:** 11.61 x 11.61 x 10.24 inches



Image: A visual representation of the centrifuge's structure and key parameters including time, RCF, speed, capacity, motor power, and noise level.

9. Warranty and Support

The Mxmoonant 800-1 Centrifuge Machine comes with a **1-year warranty** from the date of purchase.

If you encounter any issues, have questions, or require assistance with your product, please contact Mxmoonant customer support. Our team is dedicated to providing prompt and effective solutions to ensure your satisfaction.
For support, please refer to the contact information provided with your purchase or visit the official Mxmoonant website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question