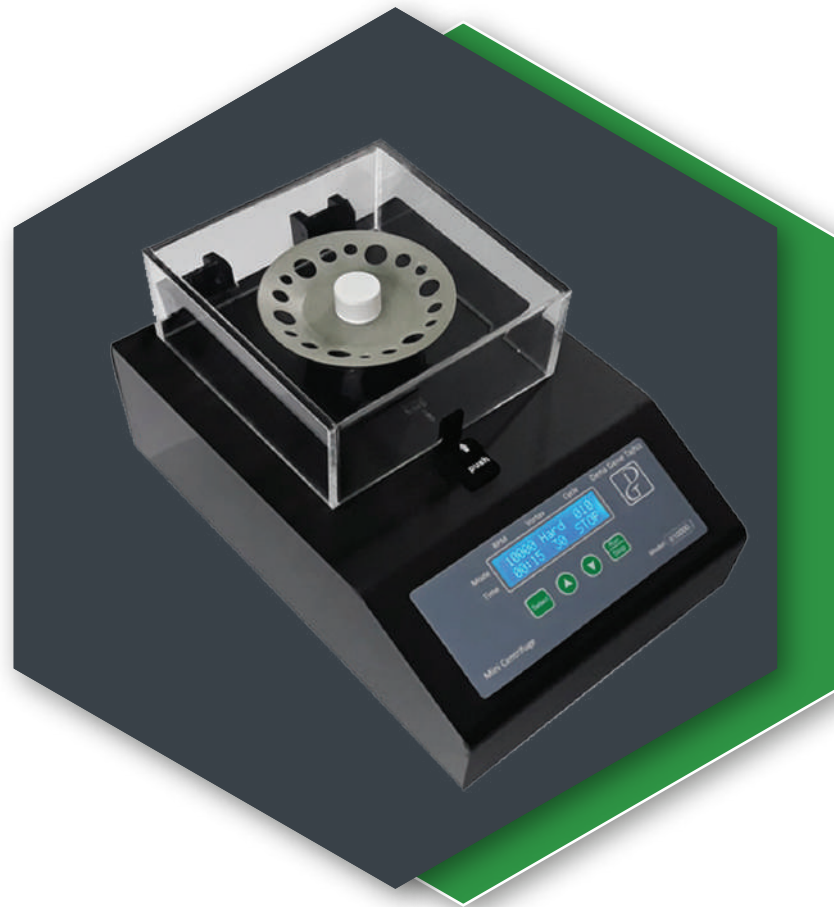


MiniCentrifuge User Guide

Denagene Tajhiz Company
Biotechnology Lab Equipment manufacturer and designer





MiniCentrifuge

www.Denagene.com

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Thank you for selecting the Mini Centrifuge from Denagene Tajhiz Company. This operation manual outlines the functions of the instrument. Please read it carefully before use to ensure proper operation. Keep this manual for future reference if you encounter any issues. Upon unpacking for the first time, please verify the instrument and accessories against the packing list. If anything does not match, feel free to contact us.

This manual serves as a valuable resource for all users of our products, whether you are an experienced professional or just starting your scientific journey. It has been thoughtfully designed to help you understand the features, functionality, and proper use of our laboratory equipment.

Inside, you will find detailed instructions, diagrams, and troubleshooting guides to assist you in maximizing the potential of our products. We have organized the content logically to facilitate easy navigation through the manual, enabling you to quickly locate the information you need.

Additionally, this manual is a living document that reflects our commitment to excellence. As we continue to develop and enhance our product offerings, we will provide updates and revisions to ensure you have the most current information available.

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Content

Introduction	1
Safety Instruction	1
Usage Instructions	2
Technical Specification	4
Applications	5
Warranty and After sales service	6

Introduction

The Mini Centrifuge-Vortex is a multifunctional device capable of performing several activities simultaneously. The mini-centrifuge is designed in such a way that it can be used even under severe conditions. Simple and user-friendly programming, competitive pricing, durability, and longevity of the device's raw materials are remarkable features of the centrifuge family.

Safety Instruction

1. Place the device on a balanced and flat surface.
2. Before placing samples for mixing, make sure that the sample lids are securely closed.
3. Do not use the apparatus in high-humidity environments.
4. Connect the apparatus to a power source with the appropriate voltage.
5. Disconnect the apparatus from the power source completely before moving or relocating.
6. Protect the apparatus from shaking and falling.



Usage Instructions

1. Begin by unpacking the device.
2. Place the apparatus on a balanced and level surface.
3. Connect the power cable located at the back of the apparatus to a power source.
4. Press the power button to turn on the apparatus's user panel.



User Panel of the Apparatus During Operation

Now, for precise parameter adjustment, press the Select button. The apparatus will automatically start blinking on the RPM mode. By defining the RPM value using the Up and Down buttons, press the Select button again. Now, the setting mode is on the Vortex mode. Vortex has three modes: Soft, Medium, and Hard. Using the Up and Down buttons, the user can adjust to any of these modes based on their needs. Now, it's time to set the number of cycles that the apparatus will repeat for both centrifuge and vortex. Use the Up and Down buttons to set the desired cycle.

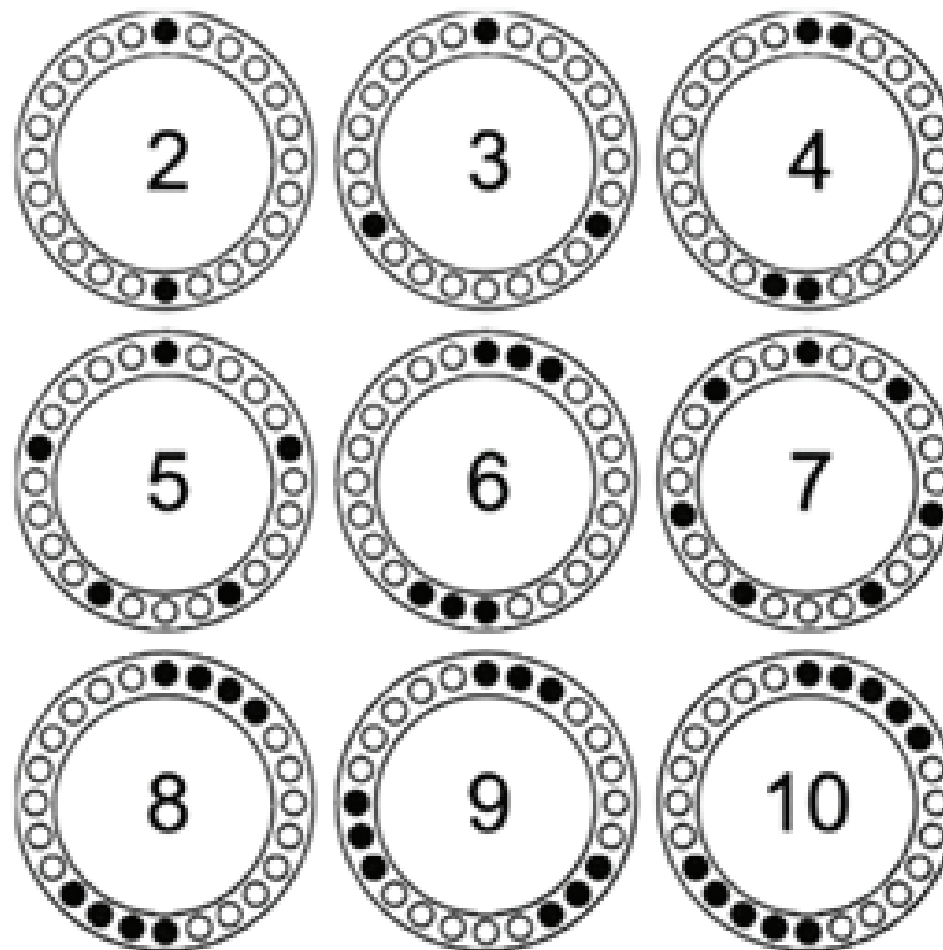
Press the Select button again to enter the time setting mode for the centrifuge. Here, the time is adjustable in minutes and hours, with the Up and Down buttons adjusting the required time.

Pressing the Select button again enters the time setting system for the vortex. In vortex mode, the time is adjustable in seconds, with a maximum time of 30 seconds. Finally, after setting all parameters, press the Run/Stop button to start the device. If the user wants to stop the device while it is running, press and hold the Run/Stop button for 2 seconds.

Note: If the device's lid is opened during operation, a "lid open error" will be displayed, and the device will stop working.

Note: If the user defines the centrifuge and vortex modes but does not define the cycle, the apparatus will only perform centrifugation. Therefore, the user must define at least one cycle to perform both centrifugation and vortex.

Note: Selecting a completely flat and sturdy surface for centrifugation and vortex operations, as well as the overall lifespan of the apparatus, is crucial.



Proper Loading Procedure of the Mini Centrifuge

Technical Specification

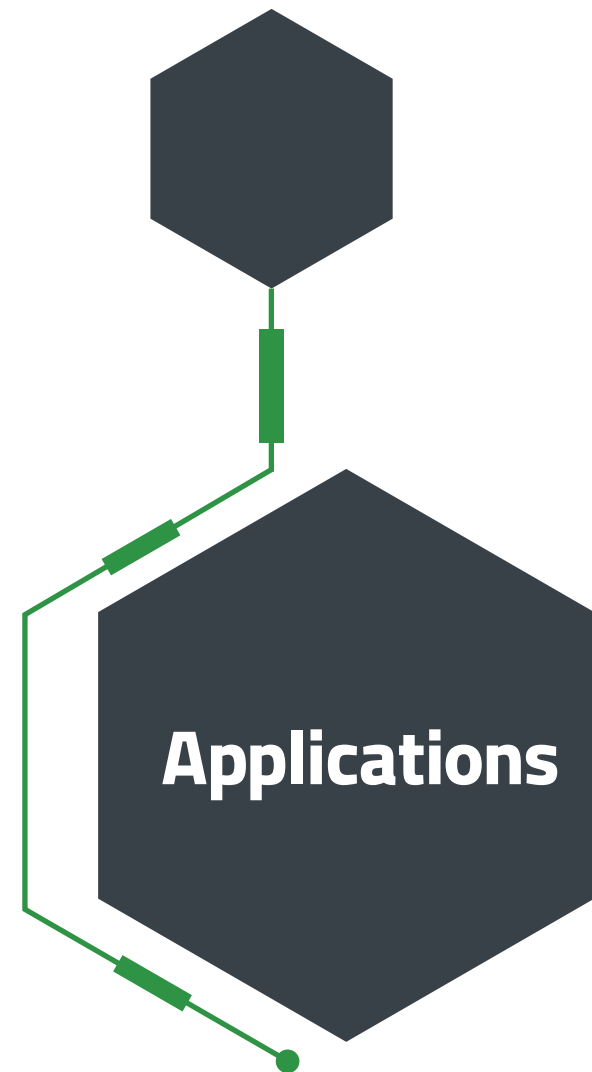
Model	D 10000	D 6000
Maximum Speed	10000 RPM	6000 RPM
Maximum Centrifugal Force (g-Force)Input Voltage	4700	1700
Capacity	2 & 1.5 ml 0.5 ml 0.2 ml	2 & 1.5 ml 0.5 ml 0.2 ml
External Dimensions	20x15x14 cm	20x15x14 cm
Voltage	220 V	220 V
Weight	4.5 Kg	4.5 Kg

This device is used in various fields of life sciences, especially molecular biology.

The mini centrifuge has primary applications in the following research areas:

- **Cell culture**
- **PCR (Polymerase Chain Reaction)**
- **Genetic Engineering Research**
- **Nanobiotechnology**
- **Molecular Biology**
- **Chemical Engineering**
- **Many research laboratories**

The Mini Centrifuge-Vortex, manufactured by Denagene Tajhiz, with its user-friendly simplicity, reasonable price, and excellent warranty and after-sales service conditions, is an outstanding option for use by researchers and users alike.





Warranty and After-Sales Service

- Denagene Tajhiz Company provides a one-year warranty for the Vortex Mixer.
- The Vortex Mixer, manufactured by Denagene Tajhiz Company, comes with 10 years of after-sales service.



Documentation and Support

To obtain support for the latest services and support information for all locations, go to:

www.Denagene.com

At the website, you can:

- Access worldwide telephone and fax numbers to contact Technical Support and Sales facilities
- Search through frequently asked questions (FAQs)
- Submit a question directly to Technical Support
- Search for user documents, SDSs, vector maps and sequences, application notes, formulations, handbooks, certificates of analysis, citations, and other product support documents
- Obtain information about customer training
- Download software updates and patches

