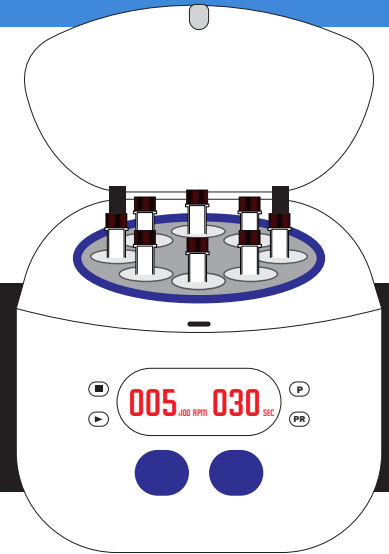


Microcentrifuge Quick guide

Discover your microcentrifuge and all its parts in this quick video:

www.amino.bio/instructions-microcentrifuge



Follow these steps to set up your new microcentrifuge safely:

1. Watch the video above before opening or powering up your microcentrifuge. This video will get you acquainted with the different components, functions and features of your unit. Because a microcentrifuge spins very fast, setting it up safely in accordance with the video and this sheet is very important. Keep the video open as you will be referring to it throughout the setup.
2. Make sure to place your microcentrifuge on a level, sturdy surface, and always make sure the unit itself is level. Power up your microcentrifuge once you are sure that it is level. Your microcentrifuge power supply should only be used with the microcentrifuge; it is a 24V unit and should never be plugged into a DNA Playground or BioExplorer as these run on 12V.
3. Your microcentrifuge's lid will open automatically after powering it up. You will now set up the rotor and rotor lid. Re-visit the video to see how to install and fasten your rotor and rotor lid with the special double-sided bolt included in your box.
4. **Follow these next steps to test your microcentrifuge before use.** This will make sure it is properly set up, functioning as expected, and let you practice using different functions,
 - a) Close the lid, set the speed to 10x 100rpm, the timer to 1 minute and start the unit. Please pay attention to how it vibrates and sounds. The microcentrifuge should make some noise and have a slight vibration but should not move nor shake on the table. If it does, stop the unit immediately and verify that you have fastened the rotor and rotor lid properly. If your unit is behaving as expected, it

will make only minimal sound and vibration and take a few seconds to get up to speed. It will then centrifuge at 10x 100rpm for 1 minute and slow back down. Have a look in the lid window once it reaches the programmed speed: is the rotor lid knob rotating in a nice circle, or is it shaking and unstable? If it is unstable, stop the unit and refasten the rotor and rotor lid tighter.

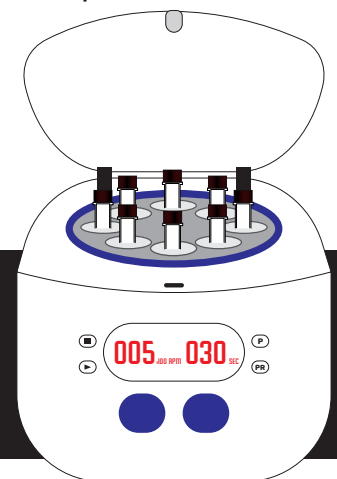
Once the 1 minute of centrifuging is over, the microcentrifuge will beep, and the lid will open a few seconds later. At this point, unscrew the rotor lid and make a note as to whether it was still firmly tightened. If it was a bit loose, make sure to screw it on tighter next time. Next, verify that your rotor is still fastened solidly in place by giving it a quick, gentle tug. Remember to be careful not to torq (twist) the rotor axle when you do this. If you are satisfied that the rotor is secured, refasten the rotor lid, and close the microcentrifuge lid.

b) Set the speed to 50x 100rpm, the timer to 1 minute and start the unit. The unit should make a little more noise than before and vibrate a bit more. Again, pay attention to any large vibrations, shaking, or movement of the unit on the table. Stop the unit if these occur and make sure the double-sided bolt firmly holds the rotor and rotor lid. If everything performs as expected, the unit will again beep at the end of the 1 minute, and the top will open. Verify that the rotor and rotor lid are still secure and close the unit lid.

c) Repeat the step above with speed at 100x 100rpm, the timer to 1 minute. Verify that it is running as expected.

d) Repeat one final time at maximum speed, 150x 100rpm, and with the timer set to 10 minutes this time. While the unit will be louder, it still should not move or shake on the table. You can see what to expect in the video.

5. You are now ready to use your microcentrifuge. Remember to follow these steps anytime you move your unit or take it out of storage to ensure safe experiments.



[www.amino.bio/
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