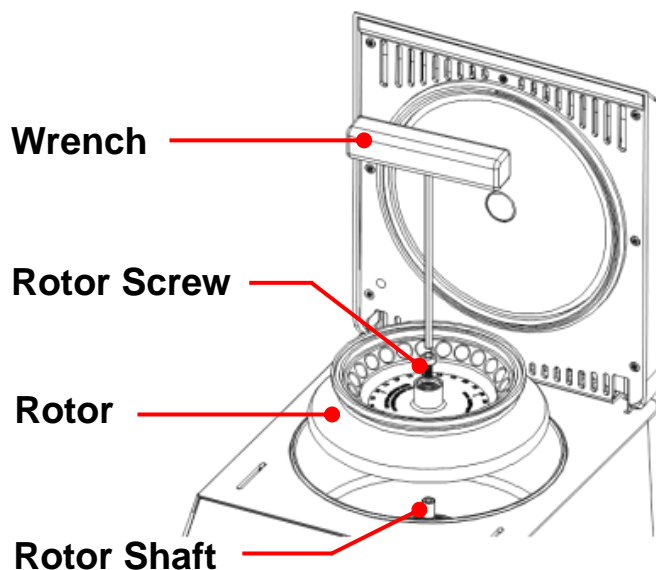


# TurboFuge - Quick Operation Guide

## Install the rotor and rotor lid

1. Turn on the switch.
2. Press “**Lid Open**” key on the control panel to open the lid.
3. Place the rotor on the motor shaft.
4. Insert the rotor screw and tighten it securely using the wrench provided. See the drawing on the right.
5. Place the rotor lid on the rotor and tighten the knob securely.

*Warning: If the rotor screw or the rotor lid knob is not tightened properly, they might become loose when the rotor is running and cause damage or injury.*



## Quick operation

The control panel contains 7 keypads and 1 selection knob. The functions of all items are described below.

Feature	Short description
Lid Open	Press to open the centrifuge lid
Start/Stop	Start and Stop share the same key
Short/Spin	Short run at current rpm or rcf setting
Speed	Press for speed setting
Time	Press for time setting
RCF	Press for speed parameter conversion
System	Advance settings: 1. Auto lid function: on/off 2. Alarm: off / Vol1 / Vol2 / Vol3 3. Ramp: on (1 to 9) / off 4. Count up: on/off 5. Short spin: on/off
Selection Knob	Select and confirm the parameters.

## Notice

The **Error 23** or **Error 24** occurs when the lid is not closed properly. Please reboot the device, then press the lid down with a larger pressure and hold the lid at the lowest position until it is latched.

For the complete operation manual, please download it at the Download Center on the Blue-Ray Biotech website ([https://www.blue-raybio.com/download\\_center.php](https://www.blue-raybio.com/download_center.php)). For your safety, please read the operation manual carefully before operating the TurboFuge.