



Centrifuge TG16-WS Machine Digital Display User Manual

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Preface

Please properly keep this manual that includes product features and detailed operation instructions, unpack the instrument and related accessories for inspection, and contact the supplier or manufacturer if an abnormality is found.

Check and confirmation

Check before use

- **a.** OOBA (out of box audit): Open the packing box and check whether there is any abnormality about the instrument or any missing parts based on the packing list. If any abnormality is found, please contact the supplier or manufacturer in time.
- **b.** Preparation for operation: Before the power is connected, please confirm that the machine is placed on a flat surface, there is no other sundries inside the centrifuge, and the centrifugal sample with a similar weight is placed symmetrically inside the rotor.
- **C.** Placement of centrifugal rotor: Place the samples 1n the centrifuge tubes, respectively; in order to prevent the running samples from overflowing, the test tube volume should be <80% of the total capacity. In order to reduce the unbalanced vibration, the weight in each tube is required to be basically consistent.
- **d.** When centrifuging only 1 or 2 tubes, please prepare 1 –2 other liquid (eg. water) tubes of the same quality in advance to ensure the stability of operation.
- **e.** Graphic presentation about the correct placement of centrifuge tubes (6 holes).



- f. Graphic presentation about the correct placement of centrifuge tubes (8 holes).



Product parameters

Model	TG16-WS
Power	220V 60W
Speed range	0-4000rpm
Timing range	0-999min
Minimum increment	50rpm / min
Relative centrifugal force	1920XG
Casing capacity	20ml
Centrifugal sleeve size	1 8mm inside diameter, 20mm outside diameter, 95mm length
Applicable blood collection volume	5ml, 7ml, 10ml
Rotor material	aluminum alloy
Display mode	LCD
Time display	Yes
Speed display	Yes
Noise	::S;35dB
Size	260x280x210mm
Weight	5kg

Operation instructions

Operation panel

- **a.** Set the time and speed as per the above picture
- **b.** The speed knob is pressed to start running, and there is an audible prompt
- **c.** Timing starts after the speed reaches the set valued. When the cover is opened during operation, the rotation will automatically stop and restore the original state when it is closed. e. the speed is reset to zero and there is alarm prompt after it runs to the set time.

Panel introduction


- Display actual speed
- Display set speed
- Display timing time




- Display holding state




PRP & PRF function





PRP settings	PRF settings
• Speed: 4000rpm (maximum speed)	• Speed: 3000rpm
• Time: 10-15 min	• Time: 10min



Summary of frequently asked questions

Problem	Cause	Solution
The power light is not on	The fuse is burnt out	<p>Fuse needs to be replaced (centrifuge machine comes with extra fuse inside) Please follow the video to replace the fuse (please scan the QR code or copy the link to see the video)</p>  <p>Fuse Replacement</p> <p>https://wettransfer.com/downloads/caf69f4e65402e748af7f91c1f7c022020230414020540/599ece</p>
Noisy/ Plastic falling off inside the machine/ Deflection of the machine rotor	Problems with placement of centrifuge tubes	<p>Explanation: As the centrifuge is a triangular structure motor, if only one or two centrifuge tubes are placed, the centrifuge will be very noisy during use, the plastic inside the machine will fall off, and the machine will shake violently. Therefore, it is recommended to place 3 or 6 tubes symmetrically in a six-hole centrifuge and 4 or 8 tubes symmetrically in an eight-hole centrifuge. If you don't need to centrifuge so many solutions, you can put in an equal volume of water or other liquids as a counterbalance.</p>
Display shows "HOLD"	The lid is not tightly closed or the magnet on the lid is not working.	If the magnets on the lid are not working, please contact us. We replace the lid with a new one free of charge.
The power light is on but the screen does not display numbers.	Maybe the motherboard is burnt out.	Please contact us and you will have a solution.

Problem	Cause	Solution
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<p>The power switch light is on, but the machine does not work. The display screen is on but does not display speed or shows speed as 0. It may be a parameter error caused by a button error during startup.</p>	<p>It may be a parameter error or caused by incorrect operation of the buttons during startup.</p>	<p>Just adjust the machine parameters. The operating procedure is very simple. Please follow the video to adjust the parameters. (please scan the QR code or copy the link to see the video)</p>  <p>https://wettransfer.com/downloads/482428424003414047c825e0ebbf2a320230414023301/819c45</p>
<p>The machine stops by itself after a while.</p>	<p>Cause 1: The centrifuge tubes are not placed symmetrically resulting in frictional resistance during operation and the machine stops automatically.</p>	<p>Solution 1: It is recommended to put 3 or 6 centrifuge tubes symmetrically in a six-well centrifuge; 4 or 8 centrifuge tubes symmetrically in an eight-well centrifuge. If you do not need to centrifuge so many solutions, you can put in an equal volume of water or other liquids in the centrifuge tubes to act as a counterbalance.</p>
	<p>Reason 2: If the rotation stops on its own after a while, while the speed parameter on the display shows 0, this may be due to a parameter error caused by a key error.</p>	<p>Solution 2 : Just adjust the machine parameters. The operating procedure is very simple. Please follow the video to adjust the parameters. (please scan the QR code or copy the link to see the video)</p>  <p>https://wettransfer.com/downloads/482428424003414047c825e0ebbf2a320230414023301/819c45</p>

A portion of the centrifuged serum is dissolved in the blood	The centrifugation time is too short	Due to different blood concentrations in the human body, the centrifugation time also varies. Normally it takes 15 minutes. In exceptional cases, please use the actual results as a basis for timing.
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Warranty description

Safety operation information

The following basic safety precautions must be observed in all processes of handling, maintaining and repairing this instrument. Failure to follow the operation instructions or warnings may affect the protection provided by the instrument and its intended use.

The operator should not attempt to dismantle or repair the instrument, which may result in a potential safety hazard and void your warranty. If repairs are needed, please contact the manufacturer.

Before the product is powered on, make sure that the voltage of the power supply matches the voltage required by the instrument, and the rated load of the power outlet is not less than what is required by the instrument. If the power cord is broken, it must be replaced and the power cord of the same type and specification should be used for the replacement.

Instrument maintenance

The instrument should be kept in a place with low humidity and little dust that is away from water source, direct sunlight, strong magnetic interference and heat sources like heating.

After-sales service

The manufacturer is responsible for replacement as for the faults caused by defects in materials and manufacturing within one month from the date of delivery.

The manufacturer shall provide warranty service for the non-artificial quality problems caused by defects in materials and manufacturing within 24 months from the date of delivery. During the warranty period, the company will be responsible for the repair or replacement of the product. The customer shall bear the send-out freight and the company bear the send-back freight. Proper maintenance costs shall be charged for the repairs outside the warranty period.

How to contact the seller on Amazon

- Go to Your Orders.
- Find your order in the list.
- Select Problem with order.
- Choose your topic from list displayed.
- Select Contact seller

Documents / Resources



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TG16-WS Machine Digital Display, TG16-WS, Machine Digital Display, Digital Display, Display

References

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