



User Manual



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1. Introduction

The Clinispin Vet Combi Centrifuge is designed for centrifuging small volumes of biological fluids at speeds of up to 12,000 RPM.

The Clinispin Vet Combi has been designed for quick, easy and safe operation. The single rotor can hold both haematocrit capillary tubes and blood tubes up to 2ml in volume. 3 pre-set programs are available for serum/plasma, haematocrit/PCV and urine.

Speed and time can be easily changed before each run.

Blood tubes of up to 2ml are placed in tube holders on an angle in the rotor and haematocrit capillary tubes are fitted horizontally on top of the rotor.

The Clinispin Vet Combi has a welded steel outer and inner casing to protect the motor and rotor. An automatic lid lock ensures that the lid cannot be opened during running or braking.

2. Features

- Combination rotor holds 75mm haematocrit capillary tubes and blood tubes up to 2ml.
- The tube holders in the rotor are on an angle making it easier to load/unload and helps to protect the integrity of the separated sample.
- 3 pre-programmed functions: serum/plasma, HCT/PCV and urine.
- Time is adjustable in increments of 1 minute up to a maximum of 99 minutes.
- Speed is adjustable in increments of 100 RPM up to a maximum of 12,000 RPM.
- RCF display is available with a maximum of 9500xg
- Brushless motor for quiet running, fast speeds, fast braking and low maintenance.
- Automatic braking reduces cycle time.
- End of run audible alarm sounds when the rotor has stopped and it is safe to open the lid.
- Automatic lid lock ensures the lid cannot be opened during a run and until the rotor has come to a complete stop.
- The outer case is constructed of strong welded steel with an internal casing to protect the motor and rotor.
- Conforms to all CE directives.

3. Specifications

Motor Type	Brushless DC Motor
Maximum Speed	12,000 RPM
Maximum RCF	9500xg
Maximum Volume	10 x 2ml blood tubes and 10 x 75mm capillary tubes
3 x Pre-Set Programs	1: Serum/Plasma - 12,000 RPM 3 minutes 2: HCT/PCV - 12,000 RPM 5 minutes 3: Urine - 1,500 RPM 2 minutes
Time	1-99 minutes
Power	AC220-230V 50/60HZ
Fuse	3A 230V
Power Lead Fuse	5A
Weight	9 kg
Dimensions	300 (L) x 270 (W) x 190 (H) mm
Temperature Range	5°C – 40°C
Relative Humidity	<80%
Noise (at Maximum RPM)	<65dB(A)



4. Unpacking the Centrifuge

Carefully unpack the centrifuge and accessories and ensure to keep all packaging.

Accessories Supplied:

- Instruction Manual
- Power Lead
- Rotor Lid
- Spanner for Adjusting Lid-Lock Pin Nut
- Allen Key to Allow Removal of Rotor for Cleaning



Put the Clinispin Vet Combi on a flat, level surface with at least 30cm of space surrounding it.

Plug the power supply firmly into the back of the centrifuge and connect to mains power.

5. Operating Instructions

Switch on the power at the mains and then turn on the power at the back of the Clinispin Vet Combi. The front panel should light up with the red “STBY” light on.

Press the “STOP/OPEN” button to open the lid and wait one second for the lock to open and the lid to lift slightly.



→ Do not touch the top of the lid while pressing the “STOP/OPEN” key.

Ensure blood tubes and capillaries are balanced before starting the centrifuge.

Note: Place the sealant end of the capillary tube next to the rotor gasket on the outside edge of the rotor.

Close the centrifuge lid carefully until it clicks into position.



Check the required pre-set program is highlighted by the yellow light. This can be changed by pressing the ‘PROGRAM’ button.

Note: If a speed/time setting is required that is not in the pre-set settings, simply select a program closest to your required settings (see **2. Features** for pre-set program details) and adjust the settings accordingly with the +/- keys. Press the key twice quickly in succession for an incremental change or for larger changes, press the key twice and hold key down until the desired setting is achieved.



Press the ‘START’ key. The ‘RUN’ light will come on.

If the centrifuge sounds loud and vibrates a lot, press ‘STOP/OPEN’, wait for the centrifuge to stop and the lid to open, then check that the tubes are balanced.

At the end of the run, wait until the alarm sounds and the speed display has returned to 0. Press the ‘STOP/OPEN’ button to open the lid.

Do not hold or press down on top of the lid.

6. Troubleshooting

Error	Solution
<p>Loud noise and/or vibration when running.</p>	<p>Stop the centrifuge and check the tubes/capillaries are balanced. If the noise is still present, check the position of the rotor with the Allen key supplied and run without tubes. If the problem persists, please contact Woodley Equipment Company.</p>
<p>Lid lock not releasing when the 'STOP/OPEN' button is pressed.</p>  <p>Manual Lid Release Cord (Front View)</p>	<p>The lid can be released manually by pulling the white plastic plug positioned underneath the front of the unit (see image).</p> <p>If the manual release cord does not work, follow the process below:</p> <ul style="list-style-type: none"> • Use the supplied spanner to loosen the nut (anti clockwise) holding the metal component (lid 'prong') in the lid • Unscrew the prong in or out until its collar is 1cm from the nut  <ul style="list-style-type: none"> • Once the prong is installed correctly, tighten the nut again (clockwise), checking it is still the same length (1cm) <p>Please contact Woodley Equipment Company if help is required.</p>

7. Fuse Replacement



Unplug the unit from the mains power. The fuse is located underneath the power supply at the back of the centrifuge.

Remove the old fuse and replace with a 3A fuse.

Replace the power cord and plug into a power source.

8. Maintenance

The rotor, accessories and inside the centrifuge should be cleaned using either soap and water or a mild bleach solution. Apply cleaning solutions with a damp cloth. Do not submerge the centrifuge in water or other cleaning solutions as this will cause damage and void the warranty. Contact Woodley Equipment Company for additional information.

9. Warranty

Woodley Equipment Company warrants this centrifuge to be free from defects in material and workmanship under normal use for one year from the date of purchase (including electrical components).

It does not cover damage resulting from abuse or misuse, repairs or alterations performed by anyone other than Woodley authorised personnel, or damage occurring in transit.

If you have any problems with your Clinispin Vet Combi, please contact Woodley Equipment Company.

10. Product Disposal

In case the product is to be disposed of, the relevant legal regulations are to be observed.

The disposal of electrical devices is regulated within the European Community by national regulations based on EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). According to these regulations, any devices supplied after 13.06.05 in the business-to-business sector, to which this product is assigned, may no longer be disposed of in municipal or domestic waste. They are marked with the following symbol to indicate this.





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