

Clinical Centrifuge, 3500 RPM, 4 / 6 / 8 Tube

Operating Manual

Laboratory Equipment

Intended use

A bench-top clinical centrifuge with a swing-out rotor for separating blood, urine and other fluid samples in 15 mL tubes in clinical and laboratory settings.

Intended users

Trained laboratory and clinical staff. For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- Connect only to a properly grounded outlet with the supply voltage marked on the unit.
- Unplug before cleaning, inspection or moving. Do not let liquids enter the housing, and do not operate with wet hands or a damaged cord.
- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- Always load tubes in balanced, opposite pairs with equal fill volumes.
- Never open the lid or touch the rotor while it is spinning. Wait until it has completely stopped.
- Do not exceed the maximum speed or use tubes not rated for centrifuge use.
- Treat all samples as potentially infectious; use caps on tubes and wear gloves.
- Stop the centrifuge immediately if there is unusual noise or vibration.

2. Package contents

- Centrifuge with swing-out rotor and tube carriers (4, 6 or 8 depending on variant)

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Maximum speed	3500 RPM
Speed control	5-step speed regulator
Rotor	Swing-out
Tube size	15 mL glass or plastic tubes
Number of buckets	Varies by variant: 4 / 6 / 8
Body	Powder-coated steel
Motor	Resiliently mounted
Tube carriers	Autoclavable
Tubes	Not included

4. Unpacking and setup

- 1 Place the centrifuge on a firm, level bench with space around it for ventilation.
- 2 Check that the rotor and all tube carriers are in place and swing freely.
- 3 Make sure the speed regulator is at the lowest/off position.
- 4 Connect to a grounded outlet with the voltage marked on the unit.

5. Operation

Running samples

- 1 Fill tubes to equal volumes and cap them.

- 2 Place tubes in carriers directly opposite each other so the rotor is balanced; use a water-filled balance tube if needed.
- 3 Close the lid securely.
- 4 Switch on and turn the speed regulator gradually to the speed required by your laboratory or clinical protocol.
- 5 Run for the time required by your protocol.
- 6 Turn the regulator back to off and allow the rotor to stop completely.
- 7 Open the lid and remove tubes carefully without disturbing the separated layers.

6. Cleaning and disinfection

- Switch off and unplug before cleaning.
- Wipe the housing and chamber with a damp cloth and a disinfectant approved by your facility.
- Clean spills and broken tubes immediately using gloves.
- Remove tube carriers for cleaning; carriers are autoclavable per listing.
- Dry all parts fully before reuse.

7. Maintenance and storage

- Inspect carriers and rotor for cracks, corrosion or wear before use.
- Check the power cord regularly.
- Keep the chamber clean and dry.
- Store in a dry place with the lid closed.
- Have repairs carried out by qualified service personnel.

8. Troubleshooting

Problem	Likely cause	What to do
Excessive vibration or noise	Unbalanced load	Stop, rebalance tubes in opposite pairs with equal volumes
Centrifuge does not start	No power or regulator at off	Check plug, outlet and switch; turn the regulator up
Poor separation	Speed or time too low for the sample	Check settings against your protocol
Tube broken in chamber	Damaged or unsuitable tube	Unplug, clean with gloves and disinfectant; use tubes rated for centrifugation
Rotor slows slowly	Normal coast-down	Wait for full stop; do not brake by hand

9. Disposal

- Dispose of samples and tubes as biohazardous waste according to facility policy.
- Dispose of broken glass in a sharps container.
- Decontaminate the centrifuge before disposal and recycle as electrical equipment per local rules.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

SciMed Scientific Equipment LLC · San Jose, California, USA · scimedstore.com