

Vacuum Blood Collection Tubes - 3.2% Buffered Sodium Citrate

User Guidelines

Consumable

Intended use

Evacuated blood collection tubes pre-filled with buffered sodium citrate for collecting venous blood samples for routine coagulation studies such as PT, APTT and fibrinogen testing.

Intended users

Trained phlebotomists, nurses, laboratory staff and other healthcare professionals. 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

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- Single use only. Do not reuse, re-sterilize or refill tubes.
- Do not use if the tube, stopper or seal is damaged, or if the product is past its expiry date.
- Wear gloves and appropriate personal protective equipment when collecting and handling blood samples.
- Handle all blood samples as potentially infectious. Follow standard precautions and your facility's bloodborne pathogen policy.
- Do not recap used needles. Dispose of sharps immediately in an approved sharps container.
- Underfilled or overfilled tubes may affect the blood-to-additive ratio and test results; fill to the tube's indicated fill line.
- Sale may be subject to regulation by the U.S. FDA and state and local agencies. Purchase and use only if you are an authorized clinical or laboratory user.

2. Package contents

- Sterile-sealed sodium citrate blood collection tubes (100, 500, 1000 or 2000 depending on variant)

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

3. Specifications

Additive	Buffered sodium citrate 3.2% (0.109 M)
Intended testing	Routine coagulation studies (PT, APTT, fibrinogen)
Vacuum	Pre-set vacuum draw
Sterility	Individually sterile-sealed
Pack size	Varies by variant: 100 / 500 / 1000 / 2000 tubes

4. Operation

Collecting a sample

- 1 Check the tube label, additive and expiry date before use.
- 2 Identify the patient and label the tube according to your facility's procedure.
- 3 Perform venipuncture using a compatible tube holder and needle according to your facility's protocol and order-of-draw policy.
- 4 Push the tube into the holder so the needle pierces the stopper and allow the vacuum to draw blood until flow stops at the fill line.
- 5 Remove the tube from the holder before withdrawing the needle from the vein.
- 6 Gently invert the tube several times to mix the blood with the citrate, as directed by your laboratory procedure. Do not shake.
- 7 Dispose of the needle in a sharps container and send the sample to the laboratory per facility protocol.

5. Cleaning and disinfection

- Tubes are single use and are not cleaned or reprocessed.
- Wipe any blood spills on the outside of the tube or work surface with a disinfectant approved by your facility.

6. Maintenance and storage

- Store unopened tubes in their original packaging in a clean, dry place away from direct sunlight and heat.
- Use stock in order of expiry date (first expiring, first used).
- Check the expiry date on the packaging before use; contact the supplier for the batch expiry if needed.
- Do not use tubes that have lost vacuum or show signs of damage.

7. Troubleshooting

Problem	Likely cause	What to do
Tube does not fill or fills slowly	Loss of vacuum, needle position, or collapsed vein	Reposition per facility technique or use a new tube; do not use expired or damaged tubes
Tube underfilled	Draw stopped early or vacuum partly lost	Discard and collect a new sample per laboratory policy
Sample appears clotted	Insufficient mixing after collection	Recollect; gently invert the tube immediately after drawing

8. Disposal

- Dispose of used tubes and samples as biohazardous waste according to local regulations and facility policy.
- Dispose of needles and holders with attached needles in an approved sharps container.
- Expired unused tubes may be disposed of as general medical waste per local rules.

9. 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.

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