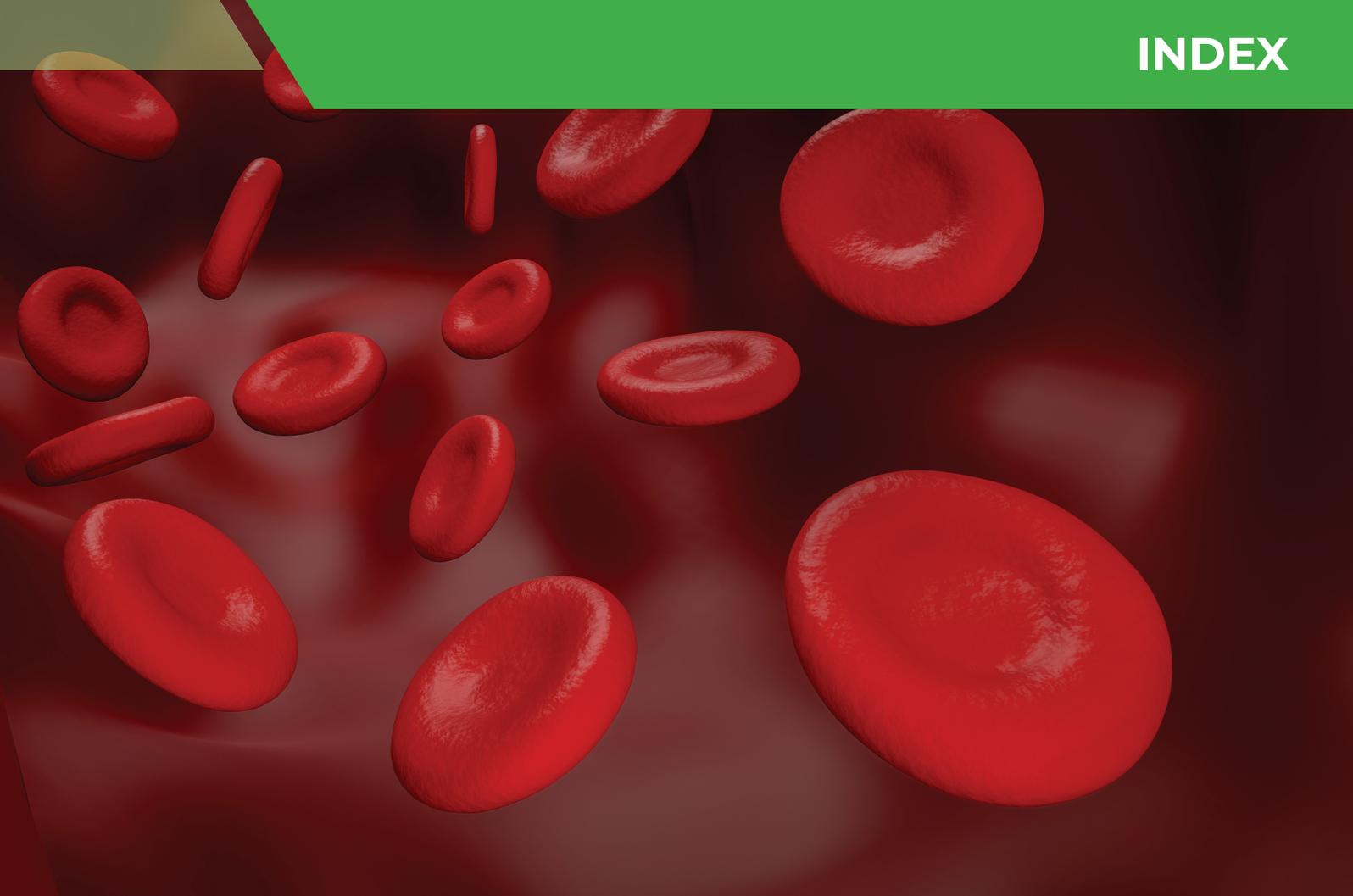




Blood Banking Equipment and Solutions

A Comprehensive Guide to Blood Bank
Devices and Consumables



CONTENTS

EXAMINATION ROOM	03
BLOOD DONATION	05
BLOOD SEPARATION	07
CENTRIFUGE & BLOOD TRANSPORT	08
BLOOD STORAGE	09

Lasec® now offers Blood Banking Devices and Consumables designed to enhance and improve every step of the blood banking process.

VENOUS BLOOD SPECIMEN COLLECTION

VACUETTE® Blood Collection Tubes, Needles and Holders are used together for the collection of venous blood.



Blood Collection Tubes

VACUETTE® Blood Collection Tubes are used to collect, transport, store and process blood for testing serum, plasma, or whole blood in clinical laboratories.

- Made of plastic, with a pre-defined vacuum ensuring accurate draw volumes
- Complies with ISO 6710 "Single-use containers for venous blood specimen collection" and the Clinical and Laboratory Standards Institute's Approved Standards (CLSI)

VACUETTE® tubes are available in different sizes. The additive choice depends on the type of test taking place.

Drawing Needles

VACUETTE® Multiple Use Drawing Needles are sterile single-use products used in venous blood collection.

- Manufactured from stainless steel and fitted with a safety valve at one end
- The needle shield is colour-coded to simplify visual recognition of the individual needle gauges
- Needle gauges of 20 G, 21 G and 22 G are available in both lengths of 1" (25 mm) and 1.5" (38 mm)



Blood Collection / Infusion Sets

Often referred to as a **“butterfly needle”**. Single-use, sterile, winged/butterflied needle bonded to flexible tubing.

Available in various combinations:

- Without a luer
- With a luer adapter to be used with a tube holder
- With a luer adapter already connected to a tube holder



Standard Tube Holders

The Standard Tube Holder is used with VACUETTE® Multiple Use Drawing Needles and VACUETTE® Blood Collection Tubes as part of routine venipuncture procedures.

- Single-use, non-sterile and made of plastic
- Compatible with all VACUETTE® Needles, VACUETTE® Luer Adapters and VACUETTE® Blood Collection Sets

Safety Tube Holders

The VACUETTE® QUICKSHIELD Safety Tube Holder offers protection against needlestick injuries with no change to collection technique.

- A non-sterile, single-use plastic tube holder
- The safety tube holder is designed with a safety shield, which can be activated to cover the needle immediately following venipuncture, aiding in the protection against accidental needlestick injury



Tourniquets

The use of a tourniquet is recommended to prioritise a vein and select a puncture site for the needle



Blood Donation Couch

High-quality couch designed to provide comfort and security during long treatments such as dialysis, blood transfusion, oncology, and other medical treatments.

- Multi-position armrest
- Manual footrest adjustment
- Central brake and emergency button to increase patient security
- Tested and approved patient weight capacity of 250 kg



Blood Bags

Different-sized bags for reliable collection, separation, storage and transport of blood.

- Blood bags suitable for collection, filtration and storage processes
- Options available; Single, Double and Quadruple



Tube Sealing Machine

Equipment used to seal blood bags. Sealing can be achieved in 1-3 seconds.

- Low haemolysis technology
- High precision switch available to activate the seal
- Stand-alone or segmented usage
- Easy to clean in case of blood leakage



Blood Bag Monitor

3-dimensional blood bag mixing monitor.

- Different types of blood tubing and blood bags can be used
- Lithium-ion battery which lasts up to 8 hours allows for 50 donations per battery charge
- Optional Wireless/USB connection for data transfer and collection





Manual Plasma Extractor

Manual device used to extract blood components from collection bags.

- Compatible with most blood bags on the market
- Frame and construction made of stainless steel
- Transparent plate for visual control of red cells and plasma



Blood Filtration Stand

Automatic blood component filtration monitoring system.

- Simultaneous filtration of up to 24 bags at the same time
- Stainless steel construction

Automatic Blood Component Extractors

- Unit can be used with any type of blood bag
- Motor driven press
- High-quality separation systems for whole blood
- Self-adjustable sealing heads for each tube material or bag system
- Double press for separation of plasma and transfer of additive solution





Refrigerated Blood Bank Centrifuge

Floor-standing centrifuge specifically developed for deployment in blood banks and transfusion facilities. Designed for centrifugation and separation of whole blood into red blood cells, plasma and platelets.

- Maximum capacity of 12 x 1000 ml or 12 blood bag systems per run
- Efficient processing of large specimen volumes
- Extra-large TFT display
- Reliable and reproducible sedimentation results
- Patented one-knob controller with automatic rotor identification and ergonomic lid opening
- High-performance cooling system with a temperature range of -20 °C to +40 °C
- Zero maintenance induction drive
- Manufactured according to the latest international standards

Portable Refrigerators/Carrier bags

Blood and components can be transported over distances at regulated temperatures using either active cooling carriers or highly insulated transport boxes.

- Range of sizes depending on the transport volume
- WHO Approved options available
- Temperature display
- Active cooling carriers include fault alarms, as well as both AC and DC connections for mains and vehicle power supply
- Passive transport boxes utilize icepacks and insulation to maintain temperatures for 24+ hours



Blood Transportation Bag

Designed for safe in-house transportation of blood and blood components.

- One size fits all standard blood bags
- Maximum capacity; 1000 ml
- Provides safety against mechanical impact and has an insulating effect
- Easy to seal with double-sided adhesive tape



Platelet Agitator and Incubators

High-quality units designed to store platelet concentrates in continuous motion at a constant temperature of 22 °C.

- Capacity of 6 bags on each shelf for Thrombocyte shakers 24, 48 and 60, or 12 bags for Thrombocyte shaker 96
- Built-in stopper prevents accidental drawing out
- Temperature control 22 °C +/- 1 °C
- Each drawer operates independently.
- Acoustic warning signal.



Fridges

Store whole blood and blood derivatives at 4 °C.

- Wide range of sizes from space-saving models to large-scale blood bag storage
- Access port for external monitoring systems
- Forced Air Cooling with a heat compensation system
- Microprocessor control system with LED display
- Multiple alarm functions (Acoustic and visual)
- Optional baskets or stainless steel drawers
- Lockable
- On casters
- Automatic defrost



CAPE TOWN

52 Old Mill Road
Ndabeni
Cape Town
7405

☎ +27 21 531 7504
📠 +27 21 531 7562

JOHANNESBURG

48 Gazelle Crescent
Gazelle Place
Corporate Park South
Randjiespark
Midrand
1685

☎ +27 11 052 2500
📠 +27 11 052 2699

DURBAN

Unit 3, Windsor
Court, Ground Floor
AFS House, 4 Derby
Place, Derby Downs
Westville
3629

☎ +27 31 702 6001
📠 +27 31 702 3008

PORT ELIZABETH

Unit 5.1, Building 3
Ascot Office Park
Block 7
Conyngham Street
Greenacres
6001

☎ +27 41 373 9173
📠 +27 41 374 8805

BLOEMFONTEIN

53 President Steyn
Avenue
Westdene
Bloemfontein
9301

☎ +27 51 447 9500
📠 +27 51 447 1940

✉ sales@lasec.com 🌐 www.lasec.com

PLEASE DIRECT ALL ENQUIRIES FROM OUTSIDE SOUTH AFRICA TO:

📍 52 Old Mill Road, Ndabeni, 7405, Cape Town PO Box 2110, Cape Town, 8000

☎ +27 21 531 7504 ✉ international@lasec.com
📠 +27 21 531 7562 🌐 www.lasec.com