

Transfusion Technology

The latest technology



for extracting, processing and using blood products

SARSTEDT International

Your partner in medicine and science worldwide

For over **50** *years*



The topic of progress has been a constant focus since the company's foundation in 1961. Today, the SARSTEDT Group is a global company with 14 production sites in Europe, North America and Australia and 2,800 employees.

Decades of research and application-oriented product development using innovative technologies, as well as constant dialogue with our users, have been decisive factors in asserting our current market position as a leading supplier of laboratory and diagnostic products.

Quality from under one roof – from product idea through to the customer

From development through to production and sales – all our services are under one roof.

PRODUCT DEVELOPMENT at our in-house R&D centre is based on close dialogue with end users and application of state-of-the-art technologies – from the initial idea through to the final product!

PRODUCTION takes place at company-owned production sites in Germany and abroad using the latest equipment. More than 90% of the products in our portfolio are produced at these sites.

The use of our products directly on the patient as well as in research and development laboratories demands a high STANDARD OF QUALITY. We satisfy this requirement through the use of a modern, integrated Quality Management System in accordance with EN ISO 13485.

The international MARKETING AND SALES of SARSTEDT products is primarily carried out by 33 in-house sales organisations. An extensive dealer network also attends to our customers' needs.

Our team of qualified medical-device advisers guarantee our customers the highest level of advice and SERVICE.





Safety Lancet

- This sterile single-use product prevents needlestick injuries because the needle and blade are always safely enclosed within the lancet body before and after use
- The lancets are available in a range of different needle sizes and blades with different penetration depths for sampling from the finger and earlobe
- The preloaded system, easy-turn needle protection cap and press-release button ensure easy operation
- Defined wings and notches on the lancet body provide different holding options



Mobile blood-donation chair and table

For safe and rapid use during stationary and mobile blood donations

Mobile blood-donation chair

- Ensures a comfortable and relaxed reclining position
- Rapid and easy handling when setting up and folding
- Easy to transport thanks to small folded size
- Stainless-steel frame
- Load capacity: 200 kg

Mobile blood-donation table

Side table for mobile blood collection

- Sturdy
- Foldable
- Easy to transport
- Available in two sizes:
 - 55 x 40 x 73 cm
 - 95 x 45 x 73 cm

TOPSWING PRO II

Next-generation blood mixer & weigher for mobile and stationary blood donation

- Innovative tilt-and-swivel mixing motion
- Modular design
- Donation data backup via USB stick, RS232 or wirelessly
- Large backlit graphic colour display
- Automatic detection of tubing and bags
- Continuous donation monitoring
- Mains-free operation using Li-ion battery technology
- Multi Touch Pro wireless scanner can be used to scan barcodes, operate the blood mixer & weigher, and monitor donations

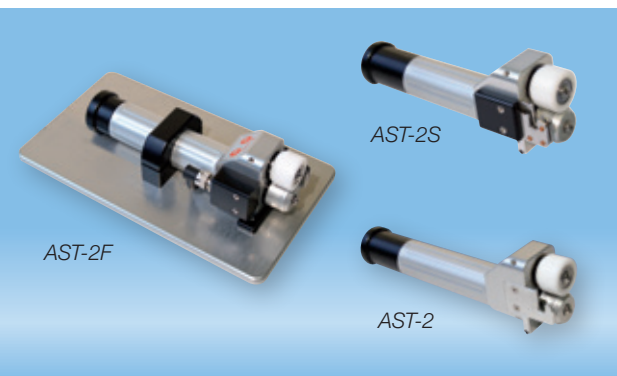


TRANSWAAG PRO

A tried-and-tested classic with the latest technology

- Low weight
- Large graphic colour display
- Sturdy aluminium casing
- Mains-free operation using Li-ion battery technology
- Donation data backup via USB stick, RS232 or wirelessly
- Signal light
- Automatic detection of tubing and bags
- Light and stable carrying case





Tube stripper for stripping blood-bag tubing

AST-2 tube stripper with high-performance motor

- Battery or mains operated
- Control switch for forward and reverse
- Available with and without auto-stop function on the blood bag
- Manual device or tabletop device with foot switch



HF blood tubing sealing devices

MULTI SEALER device models for mobile or stationary blood donation and processing

- High-performance and sturdy devices
- Wide sealing seam
- Made in Germany

MULTI SEALER MS 500M

- Stationary device with mains operation of 100–240 VAC
- Weight of hand-held sealing gun: 275 g
- Length of HF cable: 1.8 m

MULTI SEALER MS 500B

- Battery-operated mobile device
- Quick-charge function
- Sealings per battery charge > 500

MULTI SEALER MS 1000

- Stationary device with mains operation of 100–240 VAC
- Solid sealing head
- Optical tube detection
- Easy exchange of both electrodes
- Display with touchscreen functions
- Maintenance and function menu
- Can be used as a stand-alone unit or segmentation system

SEGMENTATION SYSTEM

- Additional functions (e.g. single sealing, sealing direction)
- Convertible mounting rails for up to eight stand-alone units
- Individually adjustable segment lengths
- Central mains connection with ON/OFF switch
- Overload protection

Agitators and incubators for platelet storage

Agitators

- Stainless-steel body and slide-in units
- Quiet actuation
- Motion detection
- Adjustable speed (factory setting: 60 movements per minute)

Incubators

- Stainless-steel body
- Fully insulated interior
- Individual doors with insulating glass and magnetic seals
- Agitator stop after opening of door
- Monitoring of temperature, doors and agitator motion
- Measurement of agitator speed
- Adjustable alarm parameters
- Collective alarm port
- RS232 interface
- Graphic data logger
- Rollers or castors
- Input for external temperature sensor

Flat-bed platelet agitator TA-3 for approx. 24/8 bags

Dimensions (W x D x H): 44.8 x 35 x 25 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 50 VA
Weight: 18 kg

Flat-bed platelet agitator TA-2 for approx. 48/16 bags

Dimensions (W x D x H): 44.8 x 35 x 37 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 50 VA
Weight: 24.5 kg

Flat-bed platelet agitator TA-1 for approx. 96/32 bags

Dimensions (W x D x H): 85 x 35 x 40 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 50 VA
Weight: 39 kg

Platelet incubator TI-0

Incubator cupboard, + 22°C, +/- 1/2°C,
holds 1 x TA-2 or 1 x TA-3
Dimensions (W x D x H): 59.2 x 64.8 x 79.2 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 705 VA
Weight: 75 kg

Platelet incubator TI-1

Incubator cupboard, + 22°C, +/- 1/2°C,
holds 2 x Agitator TA-2 or 1 x Agitator TA-1
Dimensions (W x D x H): 104.4 x 64.8 x 89.3 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 705 VA
Weight: 95 kg

Platelet incubator TI-2

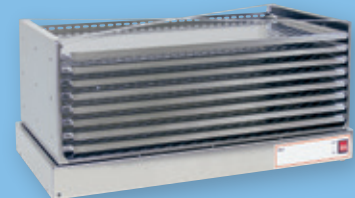
Incubator cupboard, + 22°C, +/- 1/2°C,
holds 4 x Agitator TA-2 or 2 x Agitator TA-1
Dimensions (W x D x H): 104.4 x 64.8 x 140.3 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 705 VA
Weight: 156 kg

Platelet incubator TI-3

Incubator cupboard, + 22°C, +/- 1/2°C,
holds 6 x Agitator TA-2 or 3 x Agitator TA-1
Dimensions (W x D x H): 104.4 x 64.8 x 191.3 cm
Power supply: 240 V AC +/- 10%, 50–60 Hz, 705 VA
Weight: 210 kg



TA-2



TA-1



TI-0



TI-1



TI-2



TI-3



TRANS Control

For transporting blood products while maintaining the transport temperature specified

TRANS Control 4°

Twin element for transporting erythrocyte concentrates and whole blood preparations at temperatures of 2° to 6°C

TRANS Control 4° Frame

For expanding the capacity of the TRANS Control 4°

TRANS Control 22°

Twin element for transporting platelet concentrates at room temperature (22°C)

TRANS Control 22° Frame

For expanding the capacity of the TRANS Control 22°

TRANS Control 37°

Twin element for transporting whole blood preparations at 37°C

TRANS Control 37° Frame

For expanding the capacity of the TRANS Control 37°

TRANS Control -18°

Twin element for transporting frozen blood products

TRANS Control -18° Frame

For expanding the capacity of the TRANS Control -18°

TRANS Control -30°

Twin element for transporting FFP and frozen laboratory samples at temperatures from -30° to -32°C

TRANS Control -30° Frame

For expanding the capacity of the TRANS Control -30°

TRANS Control Transport Boxes

- Insulation 60–80 mm thick protects delicate products from temperature changes, impact and shock
- Can be reused multiple times

TRANS Control Mono Box

Polystyrene packaging for 1 TRANS Control Twin Element
- Mono Box can be extended to Mono/Triple Box

TRANS Control Triple Box

Polystyrene packaging for 3 TRANS Control Twin Elements
- Triple Box can be reduced to Mono/Triple Box

TRANS Control Mono/Triple Box

Polystyrene packaging for 2 TRANS Control Twin Elements
- Mono/Triple Box can be reduced to Mono Box or extended to Triple Box

Outer box for Mono/Triple Box

Packaging cartons for the dispatch of Mono, Mono/Triple and Triple Box
- Protects the box during reuse
- Suitable for labelling

Transport and storage

ThermoScan

Convenient system for temperature-controlled blood product transport

ThermoScan Data Logger TM

Temperature data logger for monitoring transport conditions

- Range of application -40° to +85°C
- Dimensions: diameter 17 mm, height 6 mm
- Includes calibration certificate

ThermoScan Port Adapter

9-pin connection for serial PC-COM port

ThermoScan Reading Unit

Reading unit for ThermoScan temperature data logger, for connection to port adapter and USB port adapter

ThermoScan USB Port Adapter

For connecting the ThermoScan reading unit to the USB port of a PC

ThermoScan TRANSMED software

Software for configuring and evaluating the ThermoScan Data Logger TM on Microsoft Windows®

- With graphic display and export function

ThermoScan Set

One port adapter with 9-pin connection for PC-COM port

- Reading unit for connection to port adaptor
- ThermoScan TRANSMED software for configuring and evaluating ThermoScan Data Logger TM on Microsoft Windows®
- ThermoScan Data Logger TM

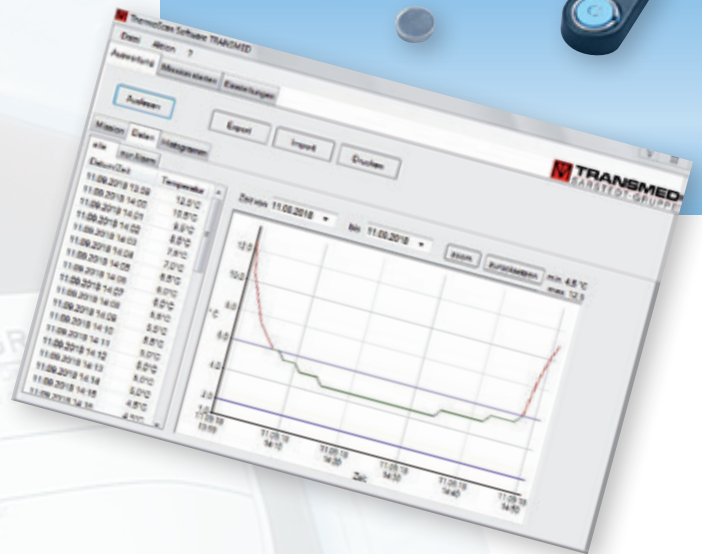
ThermoScan Set USB

Like the ThermoScan Set, but with 1 USB port adapter

Transport box

For four TRANS Control Twin Elements or one TRANS Control Twin Element with three TRANS Control frames

- With additional insulation
- Sealable
- Plastic interior in the base and cover, carrying handle



SAHARA-III

- Dry tempering device for rapidly thawing and heating units of stored plasma and blood
- The risk of contamination from water-borne pathogens, as can occur with traditional water baths, is avoided
- Active drying of the storage-bag surface provides hygienic conditions in the area immediately surrounding the blood product
- Standardised thawing and heating process
- Contactless determination of blood-product temperature by use of an infrared sensor
- Integrated system test for checking device functions
- Temperature profile and system test can be documented using a log printer
- **Note on module exchange:** modular design enables rapid switch between the basic model and MAXITHERM



SAHARA-TSC

- Dry tempering device for standardised thawing of blood stem cell preparations
- Enables the quick, temperature-controlled thawing of blood stem cell preparations
- The risk of contamination from water-borne pathogens, as can occur with traditional water baths, is avoided
- Temperature of stored products determined using an infrared sensor
- Integrated system test for checking device functions
- Temperature profile and system test can be documented using a log printer
- Accessories:
 - Adaptation compress - TSC
 - Protocol printer module





RadTag® radiation indicator

- For the semi-quantitative determination of radiation intensity
- Versions for gamma or x-ray irradiation
- The RadTag® radiation indicator is affixed to the blood bag before it is placed in a radiation device.
- The sensitive portion of the indicator is initially white and changes to blue when exposed to ionising radiation.
- The radiation process is assessed by means of a simple colour comparison with the 25 Gy and 50 Gy colour-match references, enabling the detection of any possible errors such as too much or too little irradiation.

Transfusion filter

- Easy to use
- Free from latex and DEHP
- Suitable for pressure transfusion

TRANSMED 10

- With integrated cascade filter 175 µm, 40 µm and 10 µm

TRANSMED 40

- With integrated cascade filter 175 µm and 40 µm

TRANSFLOW

- With integrated fine filter with a pore size of 40 µm

TRANSFLOW-N

- With integrated fine filter with a pore size of 40 µm

Transfusion device 200 µm

- With integrated fine filter with a pore size of 200 µm

Laboratory items and PCR products

MegaBlock® with 96 wells 0.5ml/1.2ml/2.2ml

- High security due to 100% leak test of each well
- Ideal for long-term storage of samples
- Resistant to DMSO solvent (polypropylene block only)
- Free from human DNA, RNase/DNase, endotoxins

Multiply® PCR plates

- Thin-walled reaction space ensures rapid temperature transfer
- Sealable using heat-resistant, highly transparent film or cap strips
- Black alphanumeric print for easy identification of wells
- Certified with the quality seal "PCR Performance Tested": free from human and bacterial DNA, DNase/RNase and PCR inhibitors

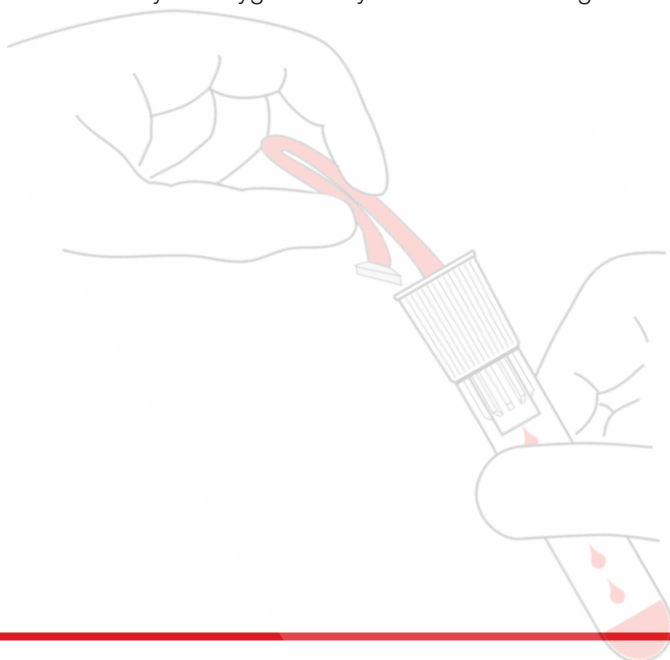
Biosphere® filter tips

- Special production process provides maximum biological purity: free from DNA, RNase, ATP and pyrogens
- Batch-specific certification available on request
- Each tip box is also aseptically protected by means of special sterile bag packaging
- Small pull tabs on the short side of the bag enable easy opening of bag packaging without any aids



Tube segment opener

- Easy sampling from tube segments
- Minimal risk of contamination
- Safety and hygiene for your cross-matching laboratory





DC 1200

Decapper for tubes in linear analyser racks

- Minimises risk of infection for users
- Prevents injuries caused by repetitive movements
- Saves working hours, no repositioning required
- Various vessel types in a mixed operation
- High throughput of up to 1200 tubes per hour



RC 1200

Recapper for tubes in linear analyser racks

- Minimises risk of infection for users
- Prevents evaporation, ideal for archiving
- Saves working hours
- Universal archiving push cap fits all tubes
- Automatic opening assured after removal from archive
- High throughput of up to 1200 tubes per hour



DC/RC 900 Flex

Compact system for pre- and post-analytics

- ID, decapper, sorter and recapper in one device
- Can also be individually retrofitted with decapping and recapping modules
- Freely configurable for all common analysis and archiving racks
- Can be operated online or offline
- All tubes in a mixed operation
- Sorts by order, vessel type, material, etc. and archives



HSS

High Speed Sorter pre- and post-analytics

- ID, decapper, sorter and recapper in one device
- High throughput of up to 1200 tubes per hour
- Can be operated online or offline
- All tubes in a mixed operation
- Freely configurable for all common analysis and archiving racks
- All functions can also be individually retrofitted
- Sorts by order, vessel type, material, etc. and archives

The SARSTEDT Group markets and sells its comprehensive product range worldwide through its own 33 marketing organizations and an extensive network of authorized dealers.

This global market presence provides the ideal conditions to provide immediate and competent customer care directly on site.



 Australia	 Ireland	 Austria	 Thailand
 Belgium	 Italy	 Poland	 Czechia
 Brazil	 Japan	 Portugal	 Turkey
 China	 Canada	 Russia	 Hungary
 Germany	 Croatia	 Sweden	 USA
 Finland	 Latvia	 Switzerland	 UAE
 France	 Mexico	 Slovakia	
 Greece	 The Netherlands	 Spain	
 Great Britain	 Norway	 South Korea	

*If you have any questions, we
would be delighted to help you.*

*Visit our website:
www.sarstedt.com*



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This document may contain information on products that may not be available in particular countries

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