Transport and Mailing Systems

For transportation of diagnostic samples and blood products

The complete product range for mailing and transport requirements
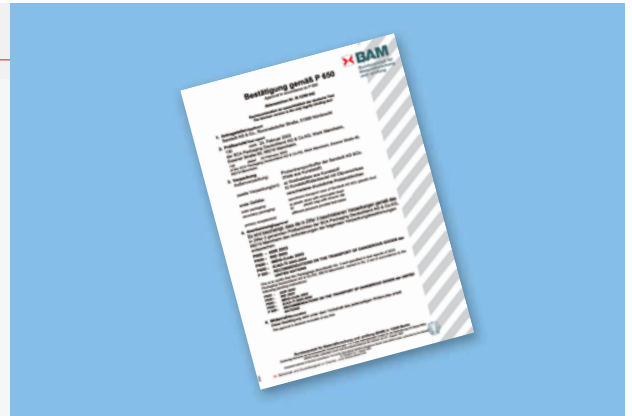
Safe and compliant with transportation guidelines

SARSTEDT

Transport Case

Tested and approved

Tested by the Federal Institute for Material Research and Testing (BAM) in Germany, the complete packaging system has been approved to comply with the requirements of P 650 Packaging Instructions for Class UN 3373 of the ADR and RID.

Temperature control

Cool storage packs (-18°C) placed in special bags combined with a layer of highly effective insulating foam maintain a stable specimen temperature.

The insulating bag is made from a honeycomb-shaped fully synthetic insulating material and prevents specimens from freezing when they come into contact with the cool storage pack.

Options

The Transport Case is available in two convenient designs:
Wide aperture flask, or
Plastic bag with clip
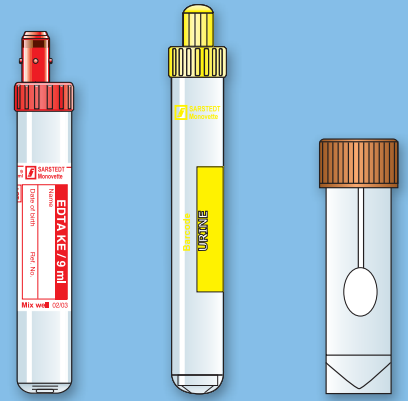Especially suitable for specimen transport in racks.

Insulating foam is specially designed with a recessed rim to accommodate a second layer of Block Racks with handles.

![SARSTEDT]

Primary receptacle

For the safe transportation of diagnostic liquid specimens, the primary receptacle must be designed to withstand, without leakage, an internal pressure difference of at least 95 kPa (0.95 Bar).

It is important to only use primary receptacles with Sarstedt Transport Cases that are attested to remain safely sealed at this pressure difference.

Secondary packaging

Wide aperture flasks or plastic bags closed with a clip are available as a secondary packaging. The flask accommodates approximately 250 to 300 primary receptacles packed in bags or can hold as many as 400 to 450 bulk tubes. The plastic bag option is primarily intended for specimen transport in racks.

The capacity per case is 4 Block Racks of 50 tubes each.

Absorbent material

The 'Superabsorber' lining requires minimal space.
- Capacity: approx. 1.2 ml
- 1 Superabsorber per Transport Case
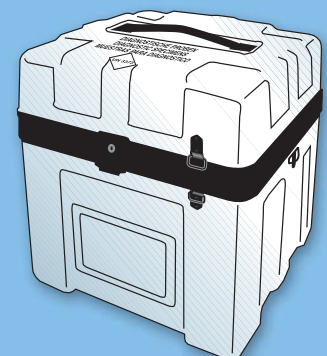- Additional Superabsorbers can added depending on specimen quantity

Outer packaging

The Transport Case housing is manufactured from durable polyethylene and offers optimum protection for primary receptacles during transport.
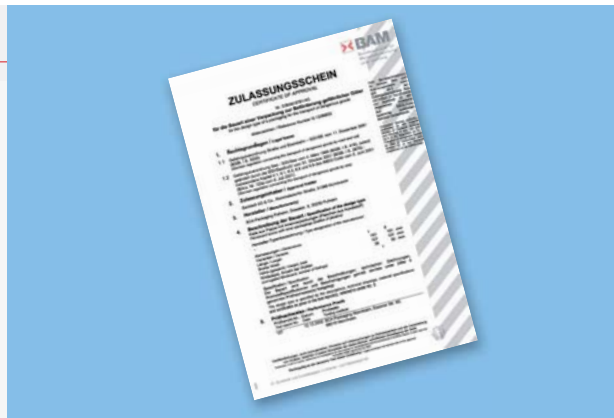
Benefits include:
- Central one-handed closure
- Lateral tabs for easy attachment of straps or restraints
- Transparent window label for easy identification

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Mailing Box

Tested and approved

Tested by the Federal Institute for Material Research and Testing (BAM) in Germany, the complete packaging system has been approved to comply with the requirements of P650 Packaging Instructions for Class UN 3373 of the ADR, RID, ICAO and IATA.
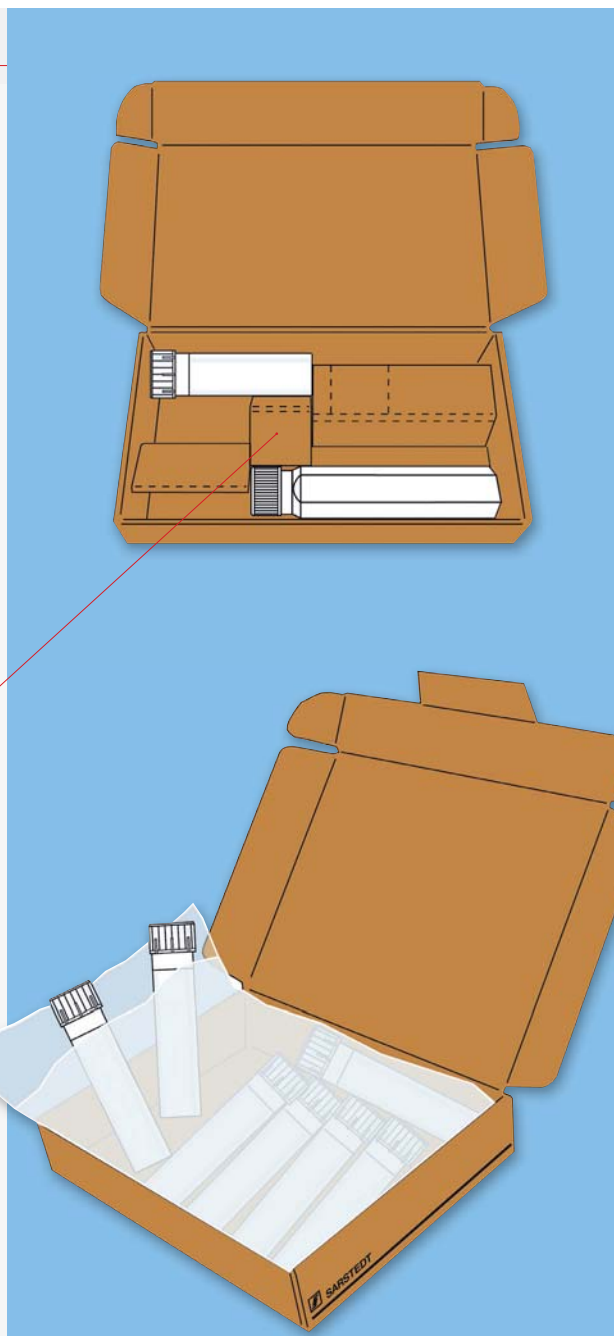
Economical

The box offers a practical, cost-effective packaging solution.

- Flexible

    The box is designed to accommodate all sizes of Sarstedt mailing containers.

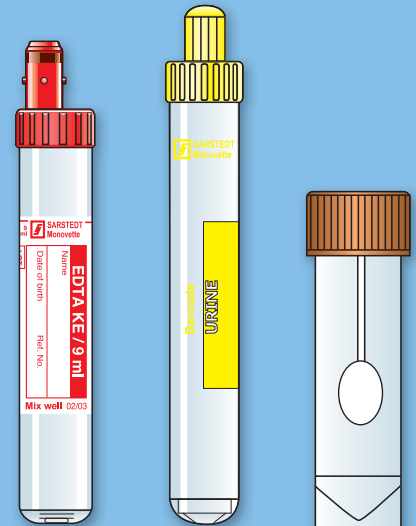- Sample Protection

    The box is available with integral restraints or with an enclosed foam bag for optimal stabilization and cushioning of the secondary containers to protect diagnostic specimens from excessive impact forces caused during transportation.

![SARSTEDT logo]

Packaging components

Primary receptacle

For the transportation of diagnostic liquid specimens, the primary receptacle or secondary container must be designed to withstand, without leakage, an internal pressure difference of at least 95 kPa (0.95 bar). The primary receptacle must be leakproof. Therefore, it is important to select the appropriate combination of primary receptacle and secondary container.
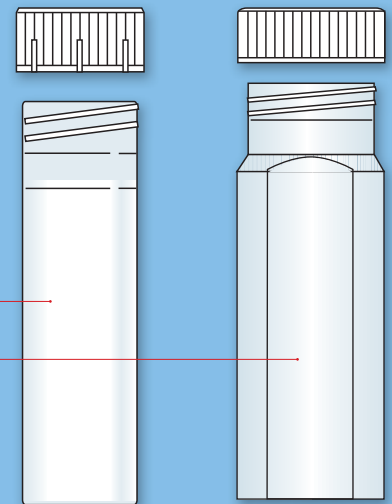

Secondary container

For the transport of diagnostic liquid specimens, the space between the primary receptacle and the secondary container must contain absorbent material. All Sarstedt mailing containers are available with an absorbent liner to meet this requirement.

Round mailing containers are leakproof at a pressure difference of 95 kPa (0.95 bar).

Square mailing containers are leakproof.

Therefore, for the transport of diagnostic liquid specimens, only plastic primary receptacles designed and attested to withstand, without leakage, an internal pressure difference of 95 kPa (0.95 bar) can be used.

Outer packaging

The robust construction of the box offers maximum protection for its contents and complies with packaging requirements.

The box is available in three sizes and, on request, can be custom-printed with a forwarding address. Additionally, Sarstedt self-adhesive labels with and without customized print are available.

4G/X0.3/S/13/D/
BAM 6781-DS Smith-PU

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Transport Case with wide aperture flask

Order No.	Description	Packaging
95.1715	Transport Case T 15 Secondary container: wide aperture flask incl. 1 Superabsorber pack, without cool storage pack L x W x H 395 x 395 x 435 mm Dry equipment weight: abt. 4,500 g	1/case

Transport Case with plastic bag

Order No.	Description	Packaging
95.1717	Transport Case B 17 Secondary container: plastic bag with clip incl. 1 Superabsorber pack, without cool storage pack L x W x H 395 x 395 x 435 mm Dry equipment weight: abt. 4,000 g	1/case
95.1717.003	Transport Case B 19 without lateral rim, otherwise identical to B17	1/case

Transport Case with plastic bag

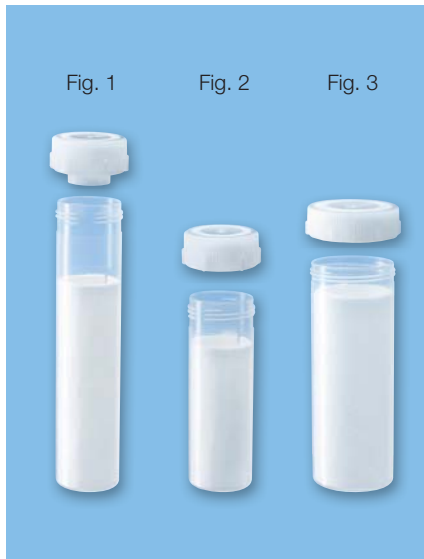| Order No.	Description	Packaging
95.1717.011	Transport Case B 13 Low height option for 1 layer of block racks, otherwise identical to B17, L x W x H 395 x 395 x 280 mm Dry equipment weight: abt. 2,800 g	1/case

Accessoires

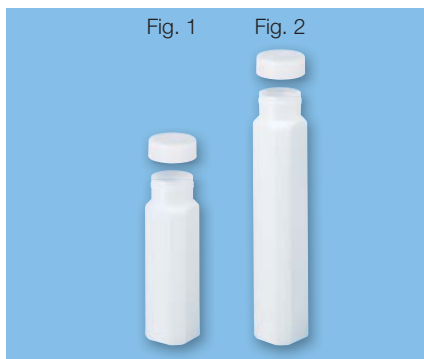| Order No.	Description	Packaging
95.1712	Superabsorber pack, capacity abt. 1.2 l	25/case
95.1713	Bag, 270 x 270 x 600 x 0.1 mm	25/case
95.1714	Clip, 220 mm	25/case
95.1725	Insulating bag (without storage packs) for standard cool storage packs, 110 x 205 x 2.6 mm	12/case
95.978	Plastic bag 230 x 310 mm, with self-adhesive strip (not leakproof) for sample tubes, without print *Special customized print available for a minimum ordering quantity of 50,000 pcs.*	1,000/case

Block racks with and without handles

Order No.	Description	Packaging
93.852	Block rack D 17 for tubes up to Ø 16.8 mm, grey	20/case
93.852.171	Block rack D 17 for tubes up to Ø 16.8 mm, red	20/case
93.852.172	Block rack D 17 for tubes up to Ø 16.8 mm, yellow	20/case
93.852.173	Block rack D 17 for tubes up to Ø 16.8 mm, green	20/case
93.852.174	Block rack D 17 for tubes up to Ø 16.8 mm, blue	20/case
93.852.175	Block rack D 17 for tubes up to Ø 16.8 mm, orange	20/case
93.851	Block rack D 17 with handles for tubes up to Ø 16.8 mm, grey	12/case
93.851.171	Block rack D 17 with handles for tubes up to Ø 16.8 mm, red	12/case
93.851.172	Block rack D 17 with handles for tubes up to Ø 16.8 mm, yellow	12/case
93.851.173	Block rack D 17 with handles for tubes up to Ø 16.8 mm, green	12/case
93.851.174	Block rack D 17 with handles for tubes up to Ø 16.8 mm, blue	12/case
93.851.175	Block rack D 17 with handles for tubes up to Ø 16.8 mm, orange	12/case

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Round mailing containers

*Order numbers for coloured caps are available on request.

	Order No.	Description	Packaging
Fig. 1	78.898	Mailing container 126 x ø 30 mm, with absorbent liner, without screw cap	250/case
	65.679	Standard screw cap, neutral*	250/case
	65.731	Special screw cap for Port-A-Cul Tube, neutral	250/case
	78.670	Separate absorbent liner	2,000/case
Fig. 2	78.892	Mailing container 85 x ø 30 mm, with absorbent liner, without screw cap	500/case
	65.676	Standard screw cap, neutral*	500/case
	78.684	Separate absorbent liner	2,000/case
Fig. 3	78.897	Mailing container 114 x ø 44 mm, with absorbent liner, without screw cap	250/case
	65.678	Standard screw cap, neutral*	250/case
	78.669	Separate absorbent liner	1,000/case

Square mailing containers

	Order No.	Description	Packaging
Fig. 2	78.573	114 x ø 28 mm, with absorbent liner, with screw cap	250/case
	78.572	114 x ø 28 mm, without absorbent liner, with screw cap	250/case
Fig. 1	78.574.500	176 x ø 28 mm, with absorbent liner, with screw cap	250/case
	78.574	176 x ø 28 mm, without absorbent liner, with screw cap	250/case

Mailing boxes

Order No.	Description	Packaging
95.900	Suited for 1 to 4 mailing containers (depending on size) up to Ø 30 mm, with integral restraints 198 x 107 x 38 mm	50/case (non-assembled)
95.901	Suited for 1 to 4 mailing containers (depending on size) up to Ø 44 mm, with integral restraints 198 x 107 x 50 mm	50/case (non-assembled)
95.902	Suited for 1 to 10 mailing containers (depending on size) up to Ø 30 mm, with enclosed foam bag 220 x 170 x 40 mm	50/case (non-assembled)

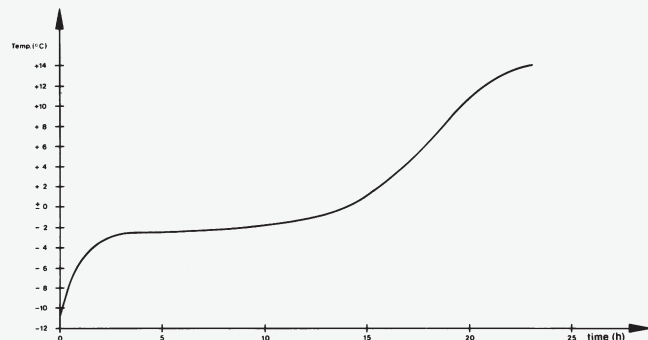*Customized print available on request (min. 10,000 pcs.)*

Mailing envelopes

Order No.	Description	Packaging
95.1410	PE Mailing envelope 180 x 310 mm, without print	1,000/case
95.1411	PE Mailing envelope 123 x 310 mm, without print	1,000/case
84.1412.033	Address label 145 x 98,5 mm, with special print „Exempt human specimen"	1,000/case

Mailing envelopes from sulphate paper and address labels with customized print available on request (min. 10,000 pcs.)

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For frozen transport in accordance with P 650

The Cool Transport Container can accommodate two sample tubes of 16.5 mm diameter and a maximum overall length of 107 mm, e.g. a 9 ml S-Monovette® or 13 ml screw cap tube 101 x 16.5 mm.

After storing the container in a freezer, efficient cooling of the samples can be maintained over several hours (see illustration above). The container is not suited for samples that are not allowed to freeze.

In combination with an appropriate transport box and absorbent liners (as shown below), the Cool Transport Container fully conforms to the P650 Packaging Instructions.

The Cool Transport Container should be replacedafter 5 years of usage

Order No.	Description	Packaging
95.1123	Cool Transport Container including Styrofoam packaging and rubber band	6/case
95.1011	Separate Styrofoam packaging, with rubber band	42/case
78.671	Absorbent liner for use in Cool Transport Container	100/bag, 2,500/case

Approved packaging system in accordance with P 650

Suitable transport packaging for one Cool Transport Container. In combination with foam bags, the box can also be used as a mailing system for up to 16 secondary containers (Ø 44 mm maximum).

Order No.	Description	Packaging
95.903	Approved transport box for Cool Transport Containers	50/case
95.1710	Separate foam bag, 185 x 230 mm	200/case

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Transport Systems

For in-house sample transport

Transport case for the safe in-house transport of diagnostic samples in hospitals and laboratories.

The cases are designed to accommodate up to 100 sample tubes or swabs that can be transported in block racks. The system can be used in conjunction with the Sarstedt Safety-Tray and transport cases in accordance with P 650.

Order No.	Description	Packaging
95.1720.011	Transport case 270 x 170 x 215 mm with transparent lid, suitable for 1 block rack D 17 for 50 samples	1 / case
95.1720	Transport case 360 x 310 x 275 mm with insert for 2 block racks D 13 or D 17 for up to 100 samples	1 / case

Poly bag with adhesive flap

The poly bags are optimally suited as a sub-packaging for samples to be transported by a courier service. The bags in A4 format provide sufficient space for several sample tubes and request forms and can be closed with an adhesive flap.

At an ordering quantity of 50,000 pieces, the bags are available with customized print.

Order No.	Description	Packaging
95.978	Poly bag 230 x 310 mm with adhesive flap (not leakproof), without print	1,000 / case
95.978.xxx	Poly bag 230 x 310 mm with adhesive flap (not leakproof), with customized print (minimum ordering quantity: 50,000 pcs.)	1,000 / case

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Safety

TRANS Control is designed for the transport of temperature-sensitive blood products such as erythrocyte concentrates, thrombocyte concentrates or fresh frozen plasma.

The products are kept at a constant temperature level during the entire transport time without active cooling.

The temperature range is maintained by a refrigerant contained in the pre-cooled
TRANS Control elements or frames.

Safe

Patented locking devices on all sides prevent accidental opening of the TRANS Control elements/frames.

Extra eyelets on the edges enable sealing of the elements/frames.

Protective caps prevent unintentional opening of the element.

Expandable

Expansion by means of TRANS Control frames yields maximum transport quantities using a minimum of space.

Space-saving

Space-saving stacking due to moulded holders on the outside.

Simple

The physical condition of the fluid and a temperature indicator (at 4°C and 22°C only) indicate that the TRANS Control element/frame is ready for use.
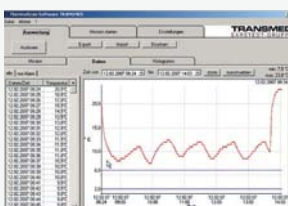
Documentation

With calibration certificate

...for your blood product transport or refrigerator.

- The temperature profile of each product can be monitored by means of the ThermoScan data logger.
- Temperature data are recorded with the date and time.
- The ThermoScan software enables customized configuration of measurement intervals.

✓ Measurement intervals can be pre-set between 1 and 255 minutes
✓ Adjustable threshold values for maximum and minimum temperatures
✓ Up to 2,048 measuring values
✓ Value read-out and data logger configuration via PC
✓ Tamper-proof recording of measuring values

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Transport

Optimal transport system

Spacious box for cool transport complete with special insulation for optimal and safe short- and long-term transport of your blood products. Lockable!

Shipping

Temperature control

Special thick-walled Neopor boxes can hold up to 3 TRANS Control elements.

In combination with a transport container and depending on ambient temperatures, these boxes ensure a constant temperature level for up to 48 hours of transport.

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TRANS Control

Description	Colour	Order No.
TRANS Control 4° Double element for the transport of erythrocyte concentrates at temperatures between 2°C and 6°C	🔵	97.8750.000
TRANS Control 4° frame For extension of TRANS Control 4°	🔵	97.8750.001
TRANS Control 22° Double element for the transport of thrombocytes and whole blood at room temperature (22°C)	🟢	97.8750.010
TRANS Control 22° frame For extension of TRANS Control 22°	🟢	97.8750.011
TRANS Control 37° Double element for the transport of blood products at a temperature of 37°C	🟣	97.8750.015
TRANS Control 37° frame For extension of TRANS Control 37°	🟣	97.8750.016
TRANS Control -18° Double element for the transport of frozen blood products at a temperature of -18°C	⚪	97.8750.018
TRANS Control -18° frame For extension of TRANS Control -18°	⚪	97.8750.019
TRANS Control -30° Double element for the transport of FFP at temperatures between -30° and -32°C	🟡	97.8750.020
TRANS Control -30° frame For extension of TRANS Control -30°	🟡	97.8750.021

Transport

Description	Order No.
Transport box For 4 TRANS Control double elements or 1 TRANS Control double element with 3 TRANS Control Frames, complete with extra insulation, lockable, plastic insert with base and lid, carrying handle	97.8750.050

Shipping

Description	Order No.
TRANS Control Mono Box Insulated Neopor box for 1 TRANS Control	97.8750.140
TRANS Control Triple Box Insulated Neopor box for 3 TRANS Control or 1 TRANS Control with 2 TRANS Control frame	97.8750.141
TRANS Control Mono / Triple Box Insulated Neopor box for 2 TRANS Control or 1 TRANS Control with 1 TRANS Control frame	97.8750.142
Outer case for Mono / Triple Box Carton to protect transport box Art. Nos. 97.8750.140, 97.8750.141 and 97.8750.142	97.8750.143

Documentation

Description	Order No.
ThermoScan data logger TM Temperature data logger for transport temperature monitoring, Range: -40°C to +85°C, Dimensions: diameter 17 mm, height 6 mm, **including calibration certificate**	97.8750.151
ThermoScan port adapter 9-Pin serial port connection for PC COM port	97.8750.153
ThermoScan reader unit Reader unit for connection to port adapter (Art. No. 97.8750.153)	97.8750.154
ThermoScan USB port adapter For connection of ThermoScan reader unit to a PC USB port	97.8750.156
ThermoScan software TRANSMED Software for configuration and evaluation of ThermoScan data logger under Microsoft Windows® with graphical display and export function	97.8750.157
ThermoScan set Includes Art. Nos. 97.8750.151, 97.8750.153, 97.8750.154 and 97.8750.157	97.8750.160
ThermoScan set USB Includes Art. Nos. 97.8750.151, 97.8750.154, 97.8750.156 and 97.8750.157	97.8750.161

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