

Transport and mailing systems

Safe transport of diagnostic specimens



Pre-analytics

Transport case

For courier service



Testing and assessment

The system in combination with suitable primary and secondary containers complies with ADR packaging instruction P650 and was approved by the Federal Institute for Materials Research and Testing (BAM). It is suitable for shipping the substance class UN3373 "Biological Substances, Category B".

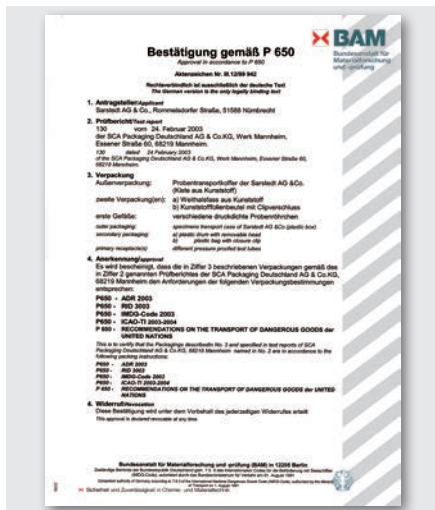
Pre-analytical components

An insulation layer made of high-insulation foam material, combined with standard cooling batteries (-18 °C) placed in special battery bags, ensures a stable temperature of the sample.

The insulation layer of the battery bag made of honeycombed, fully synthetic material prevents damage to the sample due to freezing on contact with the battery.

Variable

The transport case is available in various versions with a wide-neck barrel or plastic bag with closure clip, especially suitable for the transport of samples in racks.





Primary container

To comply with P650, the primary or secondary container must be capable of withstanding an internal pressure that results in a pressure difference of at least 95 kPa (0.95 bar) without loss of the content.



Secondary packaging

A wide-neck barrel and a plastic bag with a closure clip are available as secondary packaging. The wide-neck barrel has a sample capacity of approx. 250-300 primary tubes when sub-packaged in bags. Unracked, the barrel can hold 400-450 primary tubes.

The plastic bag version is primarily intended for transporting samples in block racks. The sample capacity is 4 blocks racks with 50 samples each.



Absorbent material

Superabsorber with little space required.

- Absorption capacity: approx. 1,200 ml
- Each case has a superabsorber
- Depending on sample quantity, additional superabsorbers may have been added



Outer packaging

The transport case provides optimal protection of the inner vessels due to a resistant outer cover of polyethylene.

Features:

- Central single-hand fastening
- Rings for carrier straps on the sides and lid
- Address window for providing identification of the case

Transport box

For mailing



Testing and approval

The transport boxes are tested and approved by the Federal Institute for Materials Research and Testing (BAM).

The requirements of the P650 packaging instruction for substance class UN3373 of the ADR, RID, ICAO and IATA are fully complied with.

Cost effectiveness

The box is economical to send depending on the kind of shipping.



Variable

The box can accept all SARSTEDT mailing containers and tubes with their highly varied dimensions.

Pre-analytical components

Depending on the version, the integrated locking mechanism or enclosed foam bag allow secondary tubes to be fixed in place or cushioned in the best possible manner, which ensures the sample material is not subject to any unnecessary mechanical loads.



Primary container

The primary or secondary container for liquids must be able to withstand an internal pressure that leads to a pressure difference of at least 95 kPa (0.95 bar) without loss of the content. In any case, the primary container must be liquid tight. For this reason, it is important that the correct combination of primary and secondary containers are used.



Secondary packaging

Absorbent material must be placed between the primary and secondary container. All mailing containers are available with an absorbent liner and comply with the ADR requirements.



Outer packaging

The mailing box provides optimum protection for the inner containers and the sturdy case complies with the requirements for mailing.

The box is available in three sizes.

A Customised mailing address label is available on request. The SARSTEDT self-adhesive labels with or without the mailing address can also be used.

Transport systems

For cold transport



Mailing containers for cold transport

Efficient cooling of the samples over several hours can be achieved by storing the containers in a freezer compartment (see example below).

Not suitable for samples that may not be frozen.

By using a suitable transport box and absorbent liners (see below), the cold transport container complies fully with the P650 packaging instruction.

The container should be replaced every 5 years to the end. The mailing container is suitable for 2 sample tubes with dimensions of max. 107 x 16.5 mm

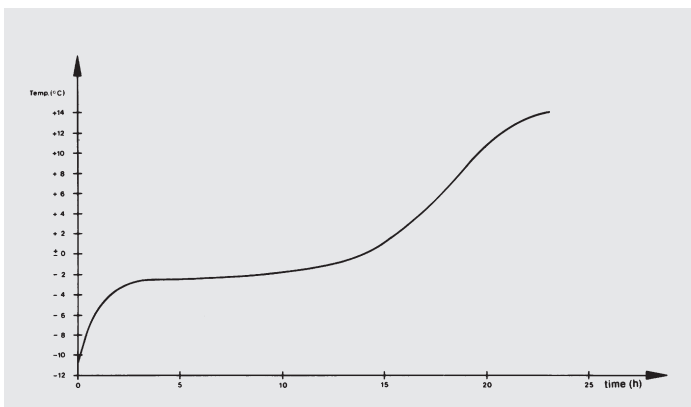
(e.g. 9 ml S-Monovette® or 13 ml screw cap tube 101 x 16.5 mm).



Type-tested outer packaging compliant with P650

Suitable mailing packaging for cold transport containers.

In combination with foam bags, the mailing box can also be used as a mailing and transport system for up to 16 mailing containers.



Transport systems

For in-house sample transport



For in-house sample transport

Transport case for the safe transport of samples within the hospital or laboratory.

To meet the requirements of work safety according to TRBA 100, transport cases are available that are optimally coordinated with in-house logistics in the hospital or laboratory.

The transport cases have the capacity for up to 100 sample tubes or swabs that can be transported in block racks.



Plastic bag with adhesive flap

The plastic bags are ideally suited for the sub-packaging of samples that are picked up by a courier service.

The bags in A4 format offer sufficient space for several sample tubes and request slips and can be closed with an adhesive flap.

Over a minimum order quantity of 70,000, the bags can be supplied with customised printing.

Tempus1800®

For automated sample transport in hospitals and laboratories



The system guarantees rapid turnaround times for all samples – safe, easy and with the highest sample quality. With modular and scalable options, we tailor solutions to specific needs in all hospital environments. Tempus1800® systems play a central role in the pre-analytical process due to fast and predictable transport. With a single touch, the system can transport large sample quantities.

Easy operation, control, job satisfaction. Thanks to one-touch solutions, we eliminate time-consuming manual processes, make the transport of samples more efficient and ensure your daily work runs more smoothly. The system is operated easily and intuitively, and once the samples are delivered, you don't need to look back – Tempus1800® takes over the samples and delivers them directly to the laboratory's automated line.



Information about
Tempus1800®:



[www.sarstedt.com/
transport-tempus-en](http://www.sarstedt.com/transport-tempus-en)

WHAT WE DO

- Connecting the sample flow from all departments to the laboratory
- Optimising and managing the sample flow
- Saving valuable time and resources in hospitals and laboratories



A closer look at Tempus1800®

Tempus1800® is a transport system made up of Ø 25 mm pipelines and direct connections that do not cross at any point, eliminating the risk of blockages. Samples are delivered from the ward straight to the laboratory in just a few seconds without any packing and unpacking of samples, delays or incorrect deliveries.

With a capacity of up to 1,250 samples per hour, a Tempus1800® line can significantly reduce the pressure on existing transport systems. Tempus1800® systems can be installed in just 2 weeks.

Drop and Go

The Quantit's user-friendly "Drop and Go" principle makes it easy and efficient for staff to send samples to the laboratory. The user simply places the samples in the drawer and once the drawer is closed, the system automatically sends them to the laboratory.

Urgent samples can be given priority by sending them in a special urgent sample compartment.

Transport system for high volumes and urgent samples

- Sample tubes are sent directly to the laboratory without packaging
- Multiple inlet for up to 25 samples at a time
- Processing capacity of 1,250 sample tubes per hour
- Suitable for sample tubes 80 - 110 mm in length and 12 - 18 mm in diameter (including cap)
- Compatible with all laboratory automation systems, including bulk loaders, sorters and complete analysis lines

Ordering information

Transport case & accessories

Transport case with wide-neck barrel

Article description	Packaging / Box	Order no.
Transport case T 15 Wide-neck barrel as secondary packaging incl. 1 superabsorber pack, without cooling batteries L x W x H 395 x 395 x 435 mm Empty weight approx. 4,500 g	1	95.1715



Transport case with plastic bag

Article description	Packaging / Box	Order no.
Transport case B 17 Plastic bag with closure clip as secondary packaging incl. 1 superabsorber pack, without cooling batteries L x W x H 395 x 395 x 435 mm Empty weight approx. 4,000 g	1	95.1717
Transport case B 19 without lateral rims for block racks, with handle, otherwise like B 17	1	95.1717.003



Transport case with plastic bag

Article description	Packaging / Box	Order no.
Transport case B 13 Low design for 1 layer of block racks, otherwise like B 17 L x W x H 395 x 395 x 280 mm Empty weight approx. 2,800 g	1	95.1717.011



Accessories

Article description	Packaging / Box	Order no.
Superabsorber pack approx. 1.2 l of liquid absorption	100	95.1712
Cross-bottom bag 270 x 270 x 600 x 0.1 mm	25	95.1713
Closure clip 220 mm long	25	95.1714
Battery bag (without batteries), insulation bag for standard cooling batteries, 110 x 205 x 2.6 mm	12	95.1725
Plastic bag 230 x 310 mm with adhesive flap (not liquid proof), for sub-packaging of sample tubes, unprinted Custom printing possible from 50,000 pieces	1,000	95.978





Block rack with and without handle

Article description	Colour	Packaging / Box	Order no.
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.168
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.169
Block rack D 17 for tubes up to Ø 16.8 mm	□	20	93.852.170
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.171
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.172
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.173
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.174
Block rack D 17 for tubes up to Ø 16.8 mm	■	20	93.852.175
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851.171
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851.172
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851.173
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851.174
Block rack D 17 with handle for tubes up to Ø 16.8 mm	■	12	93.851.175

Ordering information

Transport boxes, containers & bags

Transport boxes

Article description	Packaging / Box	Order no.
Depending on the mailing container size, suitable for 1-4 mailing containers/vials up to \varnothing 30 mm Locking mechanism 198 x 107 x 38 mm	50 (not erect)	95.900
Depending on the mailing container size, suitable for 1-4 mailing containers/vials up to \varnothing 44 mm Locking mechanism 198 x 107 x 50 mm	50 (not erect)	95.901
Depending on the mailing container size, suitable for 1-10 mailing containers/vials up to \varnothing 30 mm Enclosed foam foil pouch 220 x 170 x 40 mm	50 (not erect)	95.902

Custom customer print for min. 15,000 pieces on request



Transport bags

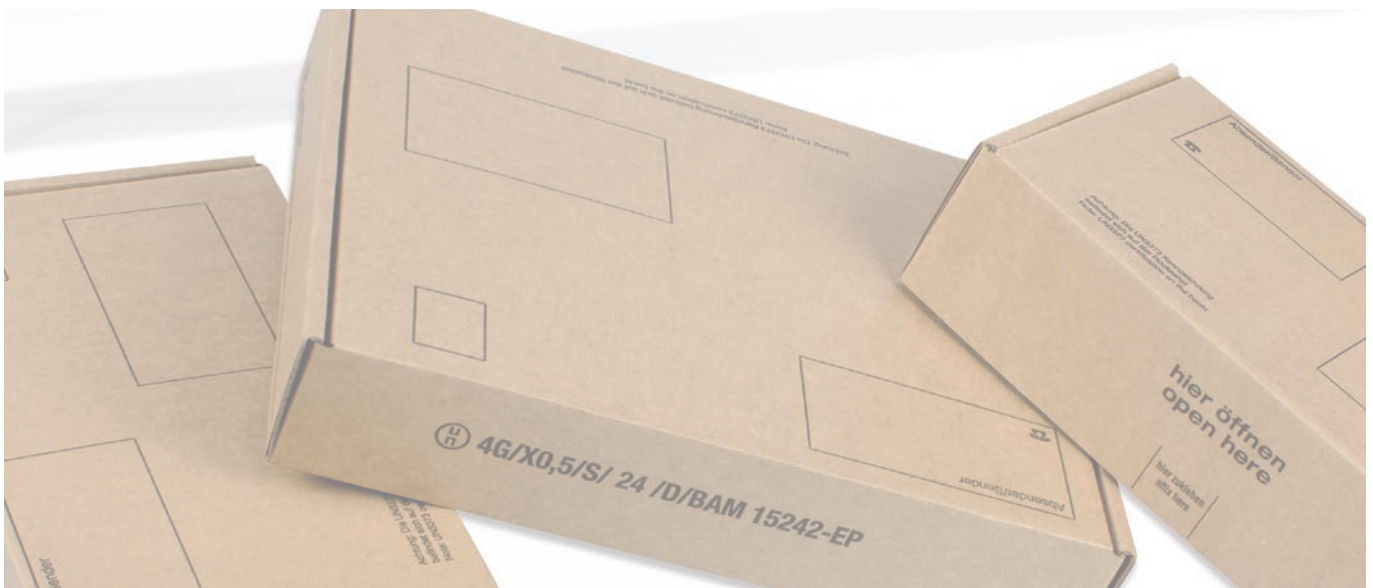
Article description	Packaging / Box	Order no.
PE mailing envelope 180 x 310 mm, unprinted	1,000	95.1410
PE mailing envelope 123 x 310 mm, unprinted	1,000	95.1411
Address label 145 x 98.5 mm, with printed text "Exempt Medical Sample"	1,000	84.1412.033



Mailing vials – square

Article description	Packaging / Box	Order no.
114 x \varnothing 28 mm, with absorbent liner, incl. closure	250	78.573
114 x \varnothing 28 mm, without absorbent liner, incl. closure	250	78.572
176 x \varnothing 28 mm, with absorbent liner, incl. closure	250	78.574.500
176 x \varnothing 28 mm, without absorbent liner, incl. closure	250	78.574





Mailing containers, round

Article description	Packaging / Box	Order no.
Protective container 126 x ø 30 mm, with absorbent liner, without screw cap	250	78.898
Standard screw cap, colourless*	250	65.679
Special screw cap for Port-A-Cul tubes, colourless	250	65.731
Absorbent liner, separate	4,000	78.670
Protective container 85 x ø 30 mm, with absorbent liner, without screw cap	500	78.892
Standard screw cap, colourless*	500	65.676
Absorbent liner, separate	2,000	78.684
Protective container 114 x ø 44 mm, with absorbent liner, without screw cap	250	78.897
Standard screw cap, colourless	250	65.678
Absorbent liner, separate	1,000	78.669



Ordering information

Cold transport & in-house transport

Cold transport container & accessories

Article description	Packaging / Box	Order no.
Cold transport container incl. polystyrene packaging and rubber band	6	95.995
Polystyrene packaging as single part with rubber band	36	95.1011
Absorbent liner to place in cold transport container	100 / bag, 2,500 / box	78.671



Mailing packaging

Article description	Packaging / Box	Order no.
Type-tested mailing box for cold transport container depending on the mailing container, suitable for 1-16 mailing containers/vials up to Ø 44 mm	50	95.903
Single foam foil bag, 185 x 230 mm	200	95.1710



Training content on the transport of diagnostic samples in our e-campus:



www.sarstedt.com/transport-ec-en



Transport case for in-house transport

Article description	Packaging / Box	Order no.
Transport case 270 x 170 x 215 mm with transparent lid, suitable for 1 block rack D17 for 50 samples	1	95.1720.011
Transport case 360 x 310 x 275 mm with insert for 2 block racks D13 or D17 for up to 100 samples	1	95.1720



Plastic bag with adhesive flap

Article description	Packaging / Box	Order no.
Plastic bag 230 x 310 mm with adhesive flap (not liquid proof), unprinted	1,000	95.978
Plastic bag 230 x 310 mm with adhesive flap (not liquid proof), with custom print (minimum order 50,000 pieces)	1,000	95.978.xxx

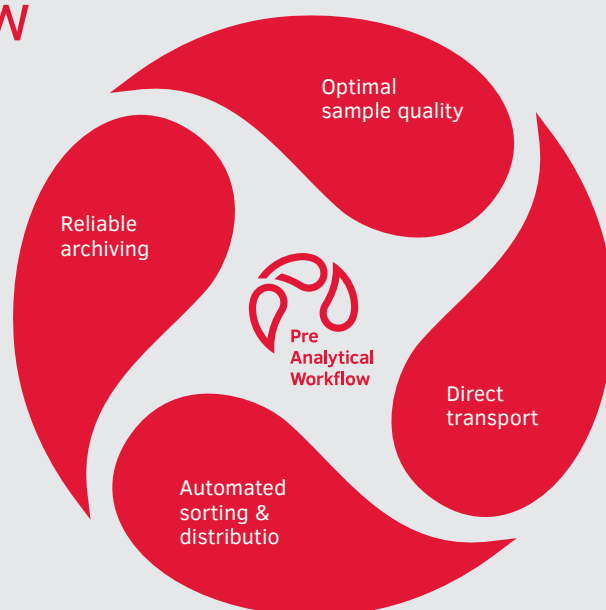


If you have any questions:
We'd be happy to help!

Visit our website: www.sarstedt.com

Pre-analytical workflow made by SARSTEDT

Utilise the synergy of our
coordinated systems.



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