

*To make your
workflow excellent.*



Urine analysis

Complete solutions for sample collection



Pre-analytics

Solutions you will love.

SARSTEDT gives specialists in practices, clinics and laboratories a wide range of high-quality products for collecting samples for urine diagnostics. Our solutions meet the highest standards in terms of hygiene and safety. Rely on future-oriented technologies and optimise your pre-analytical workflow now with our tried-and-tested, innovative solutions – for efficient, safe and reliable urine diagnostics and targeted improvement in patient care.





Reliability starts with the sample

A routine and conscientious pre-analytical process is the basis of any reliable and precise urine analysis. The Urine Monovette® enables hygienic and safe working — intuitively and efficiently in just a few simple steps.

Urinalysis rethought: without vacuum, with understanding

A routine and conscientious pre-analytical process is the basis of any reliable and precise urine analysis.





Advantages compared to vacuum systems



Safe: Needle-free sample collection from a urine cup or a closed urine drainage system increases safety for patients and nursing staff.



Sustainable: Sample collection with the Urine Monovette® saves material and CO₂e compared to vacuum systems.



Cost saving: Proper disposal of the Urine Monovette® with collection tip does not require a needle-proof container. In contrast, needle-containing transfer units from vacuum systems must be disposed of properly in needle-proof containers, which incurs costs and takes up space.

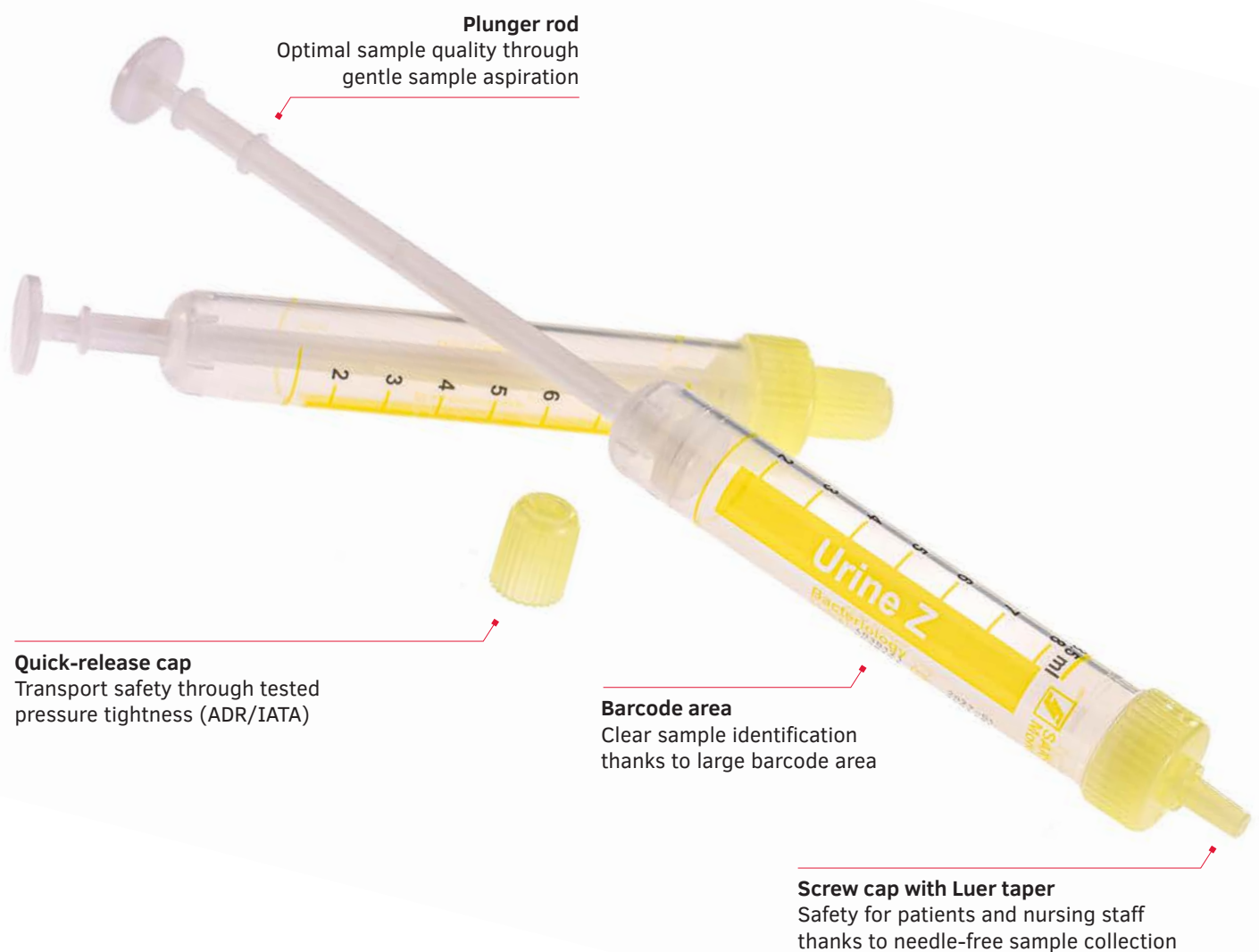


Reliable sample quality: Gentle aspiration ensures that even particularly sensitive components of the urine sediment are reliably preserved for microscopic evaluation. The use of vacuum systems, on the other hand, can reduce the sample quality and significantly influence the results. The superiority over vacuum systems has been scientifically proven.*

* Debonne, et al. "Urine transfer devices may impact urinary particle results: a pre-analytical study." Clinical chemistry and laboratory medicine vol. 61, 12 2186-2194. 22 Jun. 2023, doi:10.1515/ccim-2023-0327

Well thought out down to the last detail

The Urine Monovette® in all its variants and applications





Many applications — one solution

Strip test: Commercially available test strips for chemical urinalysis can be dipped directly into the filled Urine Monovette®.

Sediment analysis: The Urine Monovette® can be centrifuged for sediment collection.

Automation: Also designed for fully automated processes in urine analysis.

Transport: Designed for transporting and shipping according to the P650 packaging instruction of the ADR and IATA.

For microbiology

Urine Monovette® with stabiliser



For bacteriological urine testing, the Urine Monovette® with boric acid offers a proven solution that combines all the advantages of the classic Urine Monovette® with effective stabilisation of the microorganisms contained in the urine — for reliable analysis up to 48 hours after sample collection.

Constant sample quality for up to 48 hours at room temperature:

The bacteriostatic effect of boric acid on the most important pathogens of urinary tract infections has been proven (<https://www.sarstedt.com/literature-boricacid>). Due to the immediate effect, the bacterial count of the most common pathogens remains stable — a decisive factor for greater diagnostic reliability.

Transport and shipping: The urine sample can then be stored at room temperature or shipped in accordance with ADR and IATA packaging instruction P650, providing reliable and meaningful microbiological results for up to 48 hours after collection.

Guideline-compliant workflow without cooling (EFLM and CLSI): If timely analysis and/or refrigeration of urine samples is not possible according to guidelines such as EFLM and CLSI, stabilisation of samples for microbiology using boric acid is recommended.

Automation: Also designed for fully automated processes in urine analysis.

Even better together

Urine Monovette® & Tempus1800® Safe.
Fast. Sustainable.



Benefit from Tempus1800®

- Save valuable time for your personnel with simple, direct sample transport and take the strain off existing transport systems
- Take the next step towards laboratory automation

The Tempus1800® system was developed with the needs of modern hospitals in mind and stands for innovation, reliability and user-friendliness.

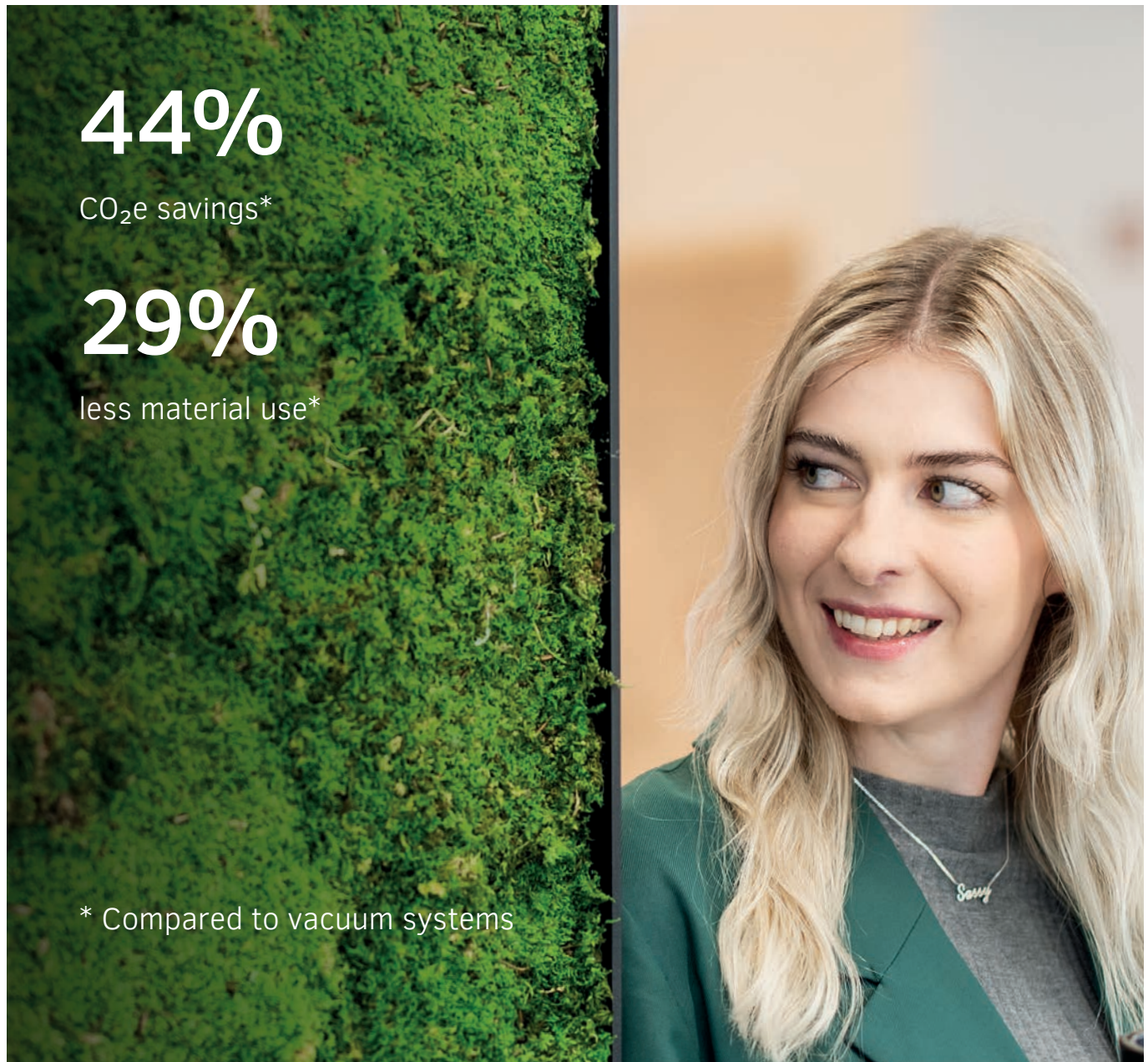
With its automated sample receipt and rapid transportation capabilities, Tempus1800® ensures the timely delivery of small clinical samples from the wards, clinics and blood collection points to the laboratory, assuming a crucial step on the path to diagnosis.

CONVINCING

- Safe thanks to high, reliable sample quality
- Fast thanks to direct, calculable sample transport
- Sustainable thanks to modern pre-analytical workflow

Sustainable urine collection

CO₂e and material savings thanks to Urine Monovette®



Compared to conventional vacuum systems, 100 urine collections per day — extrapolated to one year — can save as many CO₂e emissions as more than 20 trees can bind annually.

Ecological benefits

Save CO₂e with the Urine Monovette®

To make different greenhouse gases comparable, they are converted into CO₂ equivalents (CO₂e) according to their global warming potential.*

Advantages of the Urine Monovette® compared to vacuum systems

To conserve resources and reduce the carbon footprint, CO₂e and material reduction were recorded by evaluating the weight and the materials used. The urine collection systems were compared using a SARSTEDT Urine Monovette® including collection tip and three different vacuum tubes including the corresponding transfer unit.

The results of this study clearly show the advantages in terms of ecological sustainability using SARSTEDT's Urine Monovette® urine collection system:

- 44% less CO₂e per urine collection
- 29% less material used compared to vacuum systems
- 100% less rubber thanks to the Urine Monovette® cap
- 100% fewer steel needles thanks to needle-free sampling

Our contribution towards greater ecological sustainability in clinics, practices and laboratories.



Comparison of yearly savings

Urine collections per day	Urine collections per year	Material reduction in kg	CO ₂ e savings in %	CO ₂ stored in number of trees
50	18,250	60	44	> 10
100	36,500	120	44	> 20
500	182,500	600	44	> 100

* Federal Office for Economic Affairs and Export Control, 2024. Information sheet on CO₂ factors from federal funding for energy and resource efficiency in the economy – grant (updated 08/2024), www.bafa.de/SharedDocs/Downloads/DE/Energie/ew_infoblatt_co2_faktoren_2024.pdf?__blob=publicationFile&v=2 ew_infoblatt_co2_faktoren_2024.pdf

** 22 kg CO₂ / tree / year (European Environment Agency (EEA), 2024, www.eea.europa.eu/articles/forests-health-and-climate-change)

NFT – needle-free transfer: the system for safe urine collection

The urine collection system from SARSTEDT for hygienically closed and safe sample collection

Urine Pre-analytics 2.0

Advanced urinalysis — hygienic with safety

Sustainable and gentle sample collection with the Urine Monovette® combined with a safe and hygienically closed transfer with the NFT system — this is how urine analysis 2.0 works.

Advantages of the NFT system

- **Minimised risk of injury:** Needle-free sample collection protects staff and patients from needle prick injuries.
- **Easy disposal:** No need for needle-proof containers, which saves time and money.
- **Hygienic work environment:** Hygienically closed and completely odour-free collection process during all work steps.
- **Intuitive handling:** Quick familiarisation without extensive training. There is no risk of loss of function as with vacuum systems.

In addition, there are all the advantages of the Urine Monovette®. This is used as an analysis vessel for all applications and is designed for transporting and shipping according to the P650 of the ADR and IATA.

The Urine Monovette® is more sustainable than vacuum systems. In addition, gentle sample collection by aspiration can provide significantly better sample quality compared to vacuum samples.

Hygienic. Practical. Safe.

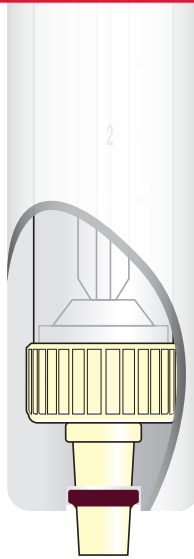


Safety has never been so easy

A needle is no longer needed with the new needle-free collection function. The Urine Monovette® easily pierces the innovative NFT membrane.

Following easy collection, the opening closes immediately and remains hygienically sealed even after collecting several samples.

There is no risk of infection from a needlestick injury.



CONVINCING

- **Minimised risk of injury and increased user safety** for personnel and patients thanks to needle-free sample collection
- **Savings on disposal**, as the components of the NFT system do not need to be disposed of separately in a needle-proof container



Sterile

If intact, the safety label indicates the internal sterility of the NFT urine cup

Small minimum volume

Closed urine transfer from filling volumes of just 20 ml

Liquid and odour-tight

Screw-on lid with transfer unit

Innovative

Needle-free transfer unit with pierceable NFT membrane

Simply practical

The Urine Monovette® enables hygienic urine collection and is also suitable as an analysis vessel for test strips and analysers and as a centrifuge tube for collecting sediment

NFT – needle-free transfer: the system for safe urine collection

The urine collection system from SARSTEDT for hygienically closed and safe sample collection

The innovative product family of the NFT system offers a simple and safe solution for collecting urine samples. With our closed, needle-free system for urine collection consisting of the Urine Monovette®, NFT urine cup and NFT urine collection container, we ensure hygienic working conditions during the entire sample collection process.

- With the Urine Monovette® and the enclosed collection tip, you can carry out the collection process without a needle, even if the filling quantity is very small. A separate transfer unit, as with vacuum systems, is not needed.
- Intuitive handling can be learned quickly without extensive training.

- With the Urine Monovette®, the aspiration principle allows the collection process to be repeated if necessary – there is no risk of loss of function through incorrect use.
- The well-designed, needle-free collection function minimises the risk of injury for personnel and patient.
- After collection, the products of the NFT system do not need to be disposed of separately in needle-proof containers – saving time and money compared to products with an integrated needle.

Hygienically closed transfer
Screw-on lid with integrated transfer unit

Liquid and odour-tight
No need to open urine collection container or decant the sample

Recessed grip
Easy and ergonomic gripping of the collection container

Easy reading of the filling quantity
Thanks to the transparent viewing window and graduated scale



“

With the needle-free NFT system, we now have a solution for urine collection that is convincing in both clinical chemistry and microbiology. **Using it is intuitive, hygienic and safe** — our employees are very satisfied. Especially for catheter removal **the system saves time, material and therefore also money.**

”

Nathalie Donato, Senior Health Manager, Biology Department at Hôpital Foch, Suresnes, France



The complete solution

UriSet 24 NFT: everything you need for standardised, patient-friendly sample collection of 24-hour urine collection — in one set.



The UriSet 24 NFT contains everything needed for a standardised, patient-friendly 24-hour urine collection. The following components are in the UriSet 24 NFT:

- **Collection and transfer cup** enables simple and patient-friendly collection of urine and hygienic transfer to the NFT urine collection container.
- Depending on the variant, the UriSet 24 NFT contains a **stabiliser**. The hydrochloric acid (9 ml 20%) included in the set is pre-dosed in a glass vial with safety dropper and stabilises urine for analysis for up to 7 days. This long-term stability allows samples to be collected in the laboratory and enables efficient batch processing.
- Thanks to **Urine Monovette® 10 ml with light protection**, light-sensitive markers remain stable until analysis. Light protection is guaranteed in the relevant UV range (190 nm – 380 nm). Average light permeability in this range is less than 1%. Only the Urine Monovette® in the set is given to the doctor or the laboratory. The NFT urine collection container remains with the patient for disposal.
- For patient identification, the UriSet 24 NFT contains self-adhesive **patient labels** in 8 languages for labelling the Urine Monovette®. In this way, all relevant information on the patient and collection period reaches the laboratory safely.

Easy handling

NFT urine cup



The Urine Monovette® easily pierces the NFT membrane without a needle

NFT urine collection container



The large-volume NFT urine container also ensures sample collection remains hygienic thanks to the closed collection function.

Watch the tutorial on the easy handling of the NFT products:
sarstedt.com/nft-tu



ORDER A FREE PRODUCT SAMPLE

Hygienic. Practical. Safe.

The innovative product family of the NFT system offers a convenient and reliable solution for collecting urine samples. With our closed, needle-free all-in-one system for urine collection consisting of the Urine Monovette®, NFT urine cup and NFT urine collection container, we support hygienic working conditions during the entire sample collection process.



NFT products do not need to be disposed of in needle-proof containers.



sarstedt.com/nft-sa



Order information

Urine-Monovette®

Urine Monovette® Z without additive

Volume in ml	L x Ø in mm	Version (yellow)	Fig.	Purity	Packaging (IB/OC)	Order no
3.2	75 x 13	Paper label, writable, compatible with Tempus1800®	8	–	64 / 512	10.250.001
8.5	92 x 15	Plastic label, transparent	7	–	64 / 512	10.258
8.5	92 x 15	Plastic label, transparent, individually blister packed	7	Sterile	100 / 500	10.258.020
8.5	92 x 15	Paper label, writable, compatible with Tempus1800®	9	–	64 / 512	10.258.061
8.5	92 x 15	Paper label, writable, individually blister packed, compatible with Tempus1800®	9	Sterile	100 / 500	10.258.081
10	102 x 15	Plastic label, transparent	6	–	64 / 512	10.252
10	102 x 15	Paper label, writable	2	–	64 / 512	10.252.001
10	102 x 15	Plastic label, transparent, individually blister packed	6	Sterile	100 / 500	10.252.020
10	102 x 15	Plastic label, white	1	–	64 / 512	10.252.030

Urine Monovette® Boric acid with stabiliser for microbiological tests

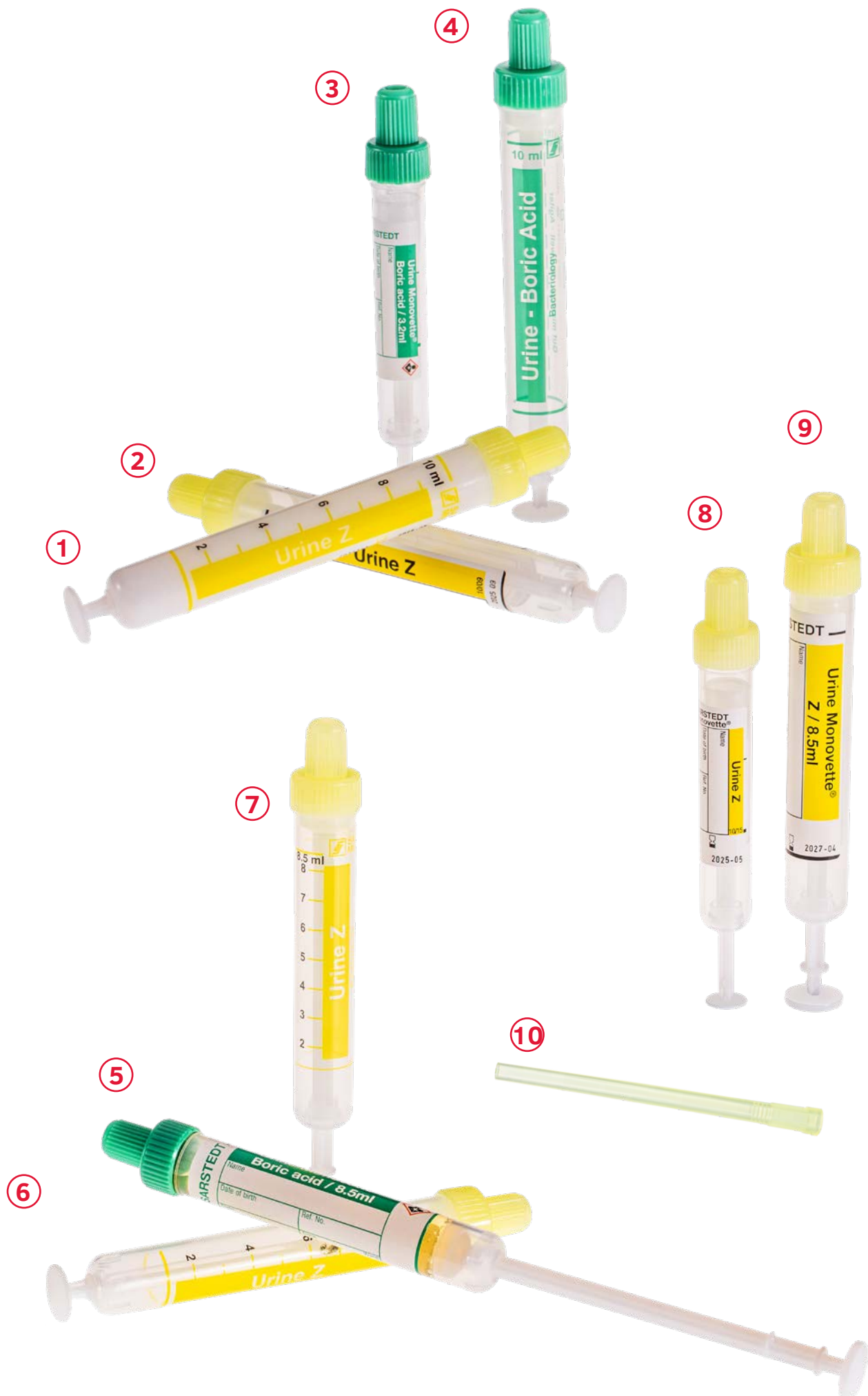
Volume in ml	L x Ø in mm	Version (green)	Fig.	Purity	Packaging (IB/OC)	Order no
3.2	75 x 13	Paper label, writable, compatible with Tempus1800®	3	–	64 / 512	10.256.001
3.2	75 x 13	Paper label, writable, individually blister packed, compatible with Tempus1800®	3	Sterile	100 / 500	10.256.021
8.5	92 x 15	Paper label, writable, compatible with Tempus1800®	5	–	64 / 512	10.260.001
8.5	92 x 15	Paper label, writable, individually blister packed, compatible with Tempus1800®	5	Sterile	100 / 500	10.260.021
10	102 x 15	Plastic label, transparent	4	–	64 / 512	10.253
10	102 x 15	Paper label, writable	–	–	64 / 512	10.253.001*
10	102 x 15	Plastic label, transparent, individually blister packed	4	Sterile	100 / 500	10.253.020
10	102 x 15	Paper label, writable, individually blister packed	–	Sterile	100 / 500	10.253.021

Collection tip

Material	Length in mm	Ø in mm	Fig.	Packaging (IB/OC)	Order no
PP	76	8	10	100 / 5,000	10.251

PP = Polypropylene *Order-based production

For more consumables for urine pre-analytics, see www.sarstedt.com



Order information

Needle-free transfer (NFT) system

NFT urine cup

Volume in ml	L x Ø in mm	Design	Fig.	Purity	Packaging (IB/OC)	Order no
100	72 x 62	with safety label and transfer device	2	Sterile	5 / 200	75.562.900

NFT urine collection container

Volume in ml	L x W x H in mm	Design	Fig.	Purity	Packaging (IB/OC)	Order no
3,000	125 x 130 x 246	with light protection, graduated, with transfer unit and patient label, opening diameter 83.5 mm	3	–	30 / 30	77.575.900

UriSet 24 NFT

Volume in ml	L x W x H in mm	Design	Tempus® compatibility	Stabiliser	Fig.	Purity	Packaging (IB/OC)	Order no
3,000	125 x 130 x 246	NFT urine collection container, collection and transfer cup, with hydrochloric acid stabiliser, Urine Monovette® 10 ml (white, UV light protection)	–	+	1	–	30 / 30	77.578.952
3,000	125 x 130 x 246	NFT urine collection container, collection and transfer cup, Urine Monovette® Z 8.5 ml (transparent, plastic label), compatible with Tempus1800®	+	–	–	–	30 / 30	77.578.910*
3,000	125 x 130 x 246	NFT urine collection container, collection and transfer cup, Urine Monovette® 10 ml (white, UV light protection), with acetic acid stabiliser	–	+	–	–	30 / 30	77.584.900*

* Order-based production



Order information

Urine container

Material	Volume in ml	L x Ø in mm	Design	Fig.	Packaging pieces/carton	Order no
PP	70	55 x 44	Cup with attached screw-on lid, yellow	1	500	75.9922.744
PP	70	55 x 44	Cup with attached screw-on lid, with standard label, yellow	3	500	75.9922.745
PP	70	55 x 44	Cup with attached screw-on lid, sterile, individually packed with standard label, yellow	3	200	75.9922.721
PP	90	65 x 60	Cup with attached screw-on lid, sterile, with safety label, safety cap, natural, available only in USA	7	400	75.1435.002
PP	100	73 x 62	Cup with attached screw-on lid, sterile, with safety label, natural	5	5 / 200	75.562.105
PP	100	73 x 62	Cup with attached screw-on lid, natural	6	5 / 200	75.562.005
PP	100	72 x 62	Cup with enclosed screw-on lid, natural	6	50 / 250	75.562.300
PP	100	72 x 62	Separate cup without screw-on lid, natural	6	50 / 500	75.563
HDPE	–	14 x 62	Screw-on lid, separate, natural	6	50 / 500	76.564
PP	100	72 x 62	Cup with enclosed screw-on lid, brown	2	50 / 250	75.562.011
PP	100	74 x 58	Cup with enclosed screw-on lid, green	4	500	75.1354.001
PP	125	67 x 66	Separate cup without snap-on lid, red	9	50 / 1,000	75.1355
PE	–	–	Snap-on lid with spout for 125 ml cup 75.1355, red	9	1,000 / 1,000	76.1477
PE	–	–	Snap-on lid with spout for 125 ml cup 75.1355, red	9	100 / 1,000	76.1477.100
PE	–	–	Snap-on lid without spout for 125 ml cup 75.1355, red	10	1,000 / 1,000	76.1414
PE	–	–	Snap-on lid without spout for 125 ml cup 75.1355, red	10	100 / 1,000	76.1414.100
PP	500	148 x 80	Urine collection cup with 80 mm opening, natural	8	250	75.1356

HDPE = high density polyethylene,
PP = polypropylene, PE = polyethylene



Order information

Urine container

Material	Volume in ml	Opening / Ø in mm	Design	Packaging pieces/carton	Order no
PE	3,000	83.5	brown with viewing strip and 100 ml graduation, yellow screw-on lid made of PP, assembled, self-adhesive label in German enclosed	30	77.575
PE	3,000	83.5	brown with viewing strip and 100 ml graduation, yellow screw-on lid made of PP, assembled, self-adhesive label in English enclosed	30	77.575.001
PE	2,000	70	brown with 100 ml graduation, yellow screw-on lid made of PP, assembled, self-adhesive label in English/German enclosed	30	77.580
PE	2,000	70	brown with 100 ml graduation, yellow screw-on lid made of PP, assembled, self-adhesive label in French/Dutch enclosed	30	77.594

Self-adhesive label for urine collection container for 77.575, 77.580 and 77.594

Dimensions in mm	Design	Packaging	Order no
150 x 55	Label in German	300/inner box (10 x 30/bag)	84.1402
150 x 55	Label in English	300/inner box (10 x 30/bag)	84.1402.001
150 x 55	Label in French	300/inner box (10 x 30/bag)	84.1402.002
150 x 55	Label in Dutch	300/inner box (10 x 30/bag)	84.1402.003

PE = polyethylene, PP = polypropylene



Order information

Variants of the UriSet 24

Material	Design	Packaging pieces/carton	Order no
PE	3 L urine collection container, green screw-on lid made of PP, assembled, with collection and transfer cup, with hydrochloric acid stabiliser and 30 ml transport container	30	77.578
PE	3 L urine collection container, green screw-on lid made of PP, assembled, with collection and transfer cup, with hydrochloric acid stabiliser and Urine Monovette® 10 ml (white, UV light protection)	30	77.578.252
PE	3 L urine collection container, yellow screw-on lid made of PP, assembled, with collection and transfer cup, without stabiliser and Urine Monovette® 10 ml (white, UV light protection)	30	77.578.010

Individual components of the UriSet 24

Material	Volume in ml	L x Ø in mm	Design	Packaging pieces/carton	Order no
PP	500	148 x 80	Urine collection cup with 80 mm opening, natural	250	75.1356
PP	10	102 x 15	Urine Monovette® 10 ml (white, UV light protection)	512	10.252.030
PP	30	107 x 25	30 ml transport container (white, UV light protection) with screw cap	500	62.543.030

PE = polyethylene, PP = polypropylene

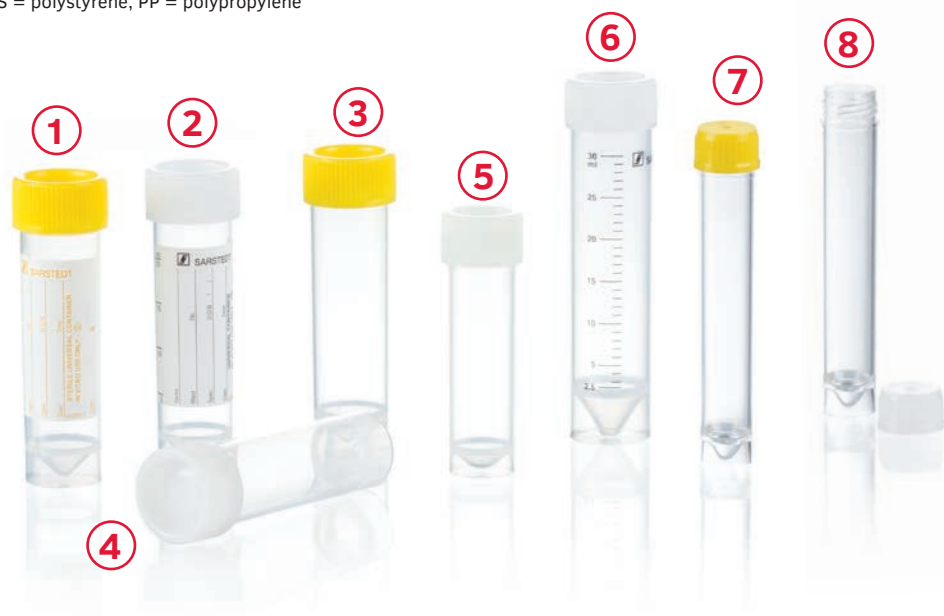


Order information

Tubes with skirted conical base and screw cap

Material	Volume in ml	Tube length x Ø in mm	Design	Fig.	Packaging pieces/carton	Order no
PS	10	97 x 16	Cap, natural, enclosed	8	500/bag 1,000/carton	60.9921.821
PS	10	97 x 16	Cap, yellow, attached	7	100/bag 1,000/carton	60.9921.830
PS	10	97 x 16	Cap, yellow, attached, sterile	7	100/bag 1,000/carton	60.9921.829
PP	15	76 x 20	Cap, natural, enclosed	5	100/bag 500/carton	60.732
PP	15	76 x 20	Cap, natural, attached, sterile	5	100/bag 500/carton	60.732.001
PP	25	90 x 25	Cap, natural, attached	4	500/bag 500/carton	60.9922.241
PP	25	90 x 25	Cap, natural, attached, with label	2	500/bag 500/carton	63.9922.252
PP	25	90 x 25	Cap, yellow, attached, sterile	3	500/bag 500/carton	60.9922.243
PP	25	90 x 25	Cap, yellow, attached, with label, individually wrapped and sterile	1	1/bag 300/carton	63.9922.248
PP	25	90 x 25	Cap, yellow, attached, with label, sterile	1	500/bag 500/carton	63.9922.254
PP	30	107 x 25	Cap, natural, attached, with printed graduated scale	6	125/bag 500/carton	62.543
PP	30	107 x 25	Cap, natural, attached, sterile, with printed graduated scale	6	50/bag 400/carton	62.543.001

PS = polystyrene, PP = polypropylene



Order information

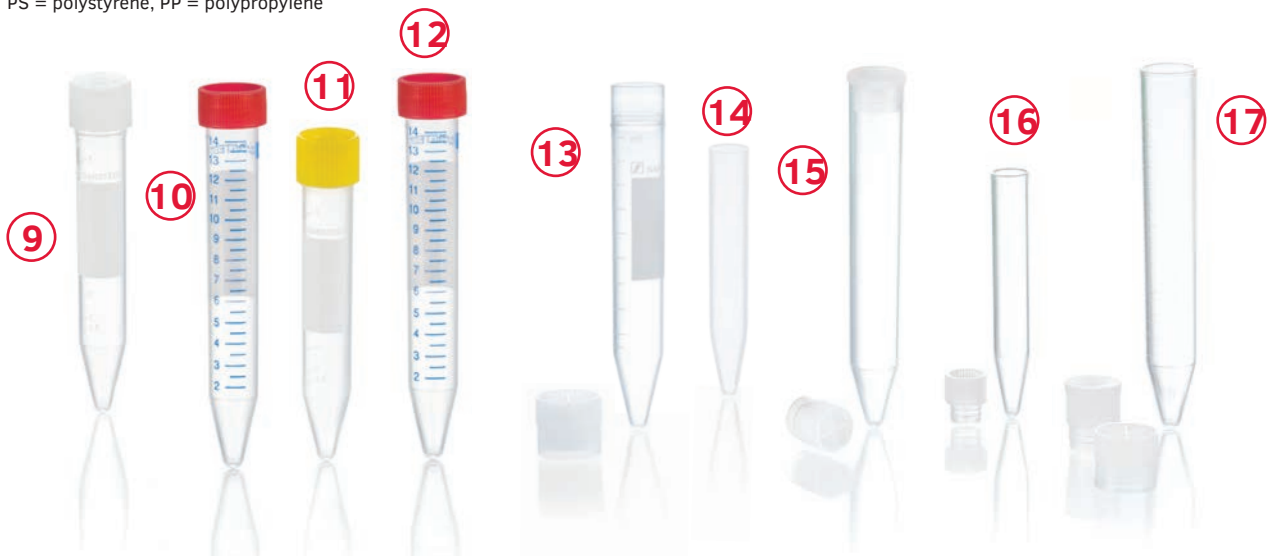
Tubes with conical base and screw cap

Material	Volume in ml	Tube length x Ø in mm	Design	Fig.	Packaging pieces/carton	Order no
PP	10	100 x 16	Cap, natural, enclosed	9	500/bag 1,000/carton	62.9924.283
PP	10	100 x 16	Cap, yellow, attached, sterile	11	100/bag 1,000/carton	62.9924.284
PP	15	120 x 17	Cap, red, attached, sterile, DNA-free, DNase/ RNase-free, pyrogen-free/endotoxin-free, non-cytotoxic	10	500/StackPack 500/carton	62.554.502
PS	15	120 x 17	Cap, yellow, attached	11	500/bag 500/carton	62.553.041
PS	15	120 x 17	Cap, yellow, attached, sterile	11	50/StackPack 500/carton	62.553.542
PS	15	120 x 17	Cap, red, enclosed, available only in the USA	12	50/bag 500/carton	62.553.001
PS	15	120 x 17	Cap, red, attached, sterile, DNA-free, DNase/ RNase-free, pyrogen-free/endotoxin-free, non-cytotoxic, available only in the USA	12	50/bag 500/carton	62.553.205

Tubes with conical base and push cap

Material	Volume in ml	Tube length x Ø in mm	Design	Fig.	Packaging pieces/carton	Order no
PS	4.5	75 x 12	Tube separate, matching stoppers 65.809, 65.719	16	500/StackPack 2,000/carton	57.477
PP	4.5	75 x 12	Tube separate, matching stoppers 65.809, 65.719	14	1,000/bag 4,000/carton	57.512
PP	10	100 x 16	Tube separate, graduated with text box, matching stoppers 65.793, 65.816, 65.720	13	100/bag 1,000/carton	62.9924.272
PS	12	110 x 17	Tube separate, graduated, matching stoppers 65.793, 65.816	17	500/bag 1,000/carton	57.462
PS	12	110 x 17	Tube separate, graduated, matching stoppers 65.793, 65.816	17	250/StackPack 1,000/carton	57.462.015
PS	12	110 x 17	Tube separate, graduated, sterile, stopper attached	17	100/bag 500/carton	57.462.001
PP	12	110 x 17	Tube separate, graduated, matching stoppers 65.793, 65.816	15	500/bag 1,000/carton	57.527

PS = polystyrene, PP = polypropylene



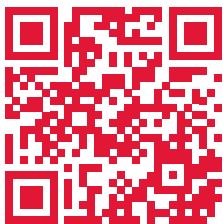
Everything from a single source

Benefit from coordinated systems



As a leading global provider of preanalytical solutions and systems, SARSTEDT's innovations have made a considerable contribution to making the preanalytical workflow more reliable and efficient – from blood collection to automated sample handling.

Let's work together



www.sarstedt.com/nft-wf-en

Let us advise you

In addition to high-quality products and coordinated system solutions, we focus on the individual consulting and training of our customers. We have developed the SARSTEDT Pre-analytical Consultancy Program (SPCP) — a holistic concept that aims to qualitatively and quantitatively identify pre-analytical error sources and implement a subsequent action plan for sustained optimisation.



Pre-barcoded tubes

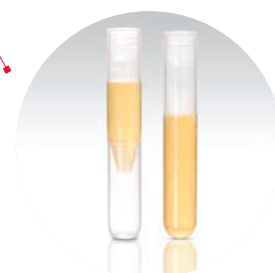
Storage systems



Caps



Secondary tubes



HSS High Speed Sorter





If you have any questions,
we'll be happy to help!

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