

Urine Analysis

Solutions for sample collection



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‘Hippocrates analysed the odour and colour of urine as long ago as 400 BC, and urine analysis still plays a key role in diagnostic examination.’

Sarstedt has decades of experience in the production of medical devices, and develops and manufactures high-quality urine diagnostic products. We use only selected materials to manufacture our products that are best suited to meet pre-analytical requirements in terms of collection, transportation, storage, and preparation of human or veterinary test samples. Our products offer functions that are perfectly tailored to the individual applications of a modern laboratory organisation.

Today, urine diagnostics remains a quick and reliable test method. The numerous detection methods it comprises requires careful and routine pre-analytics in order to obtain reliable test results.

Sarstedt is here to help you in this endeavour.

Urine Monovette® – hygienic and needle-free

Routine and diligent pre-analytics form the basis for any carefully executed urine analysis. The completely needle-free and hygienic Urine Monovette® is an all-in-one solution that also enhances patient and user safety.

Hygienic sample collection and transport



The urine sample is hygienically removed from a collection cup using the supplied suction tip. The gentle aspiration method helps retain particularly sensitive components of the urine sediment, such as urinary casts for microscopic assessment.

Needle-free sample collection



Collecting samples from a closed urine drainage system without the use of needles enhances the safety of both patients and nursing staff.

Strip test tube



Commercially available test strips for chemical urine analysis can easily be placed into the filled Urine Monovette®.

Centrifuge tube for sediment collection



Used directly as a centrifuge tube, the Urine Monovette® reduces analysis time. Once the supernatant has been decanted, the plunger can be pushed back up and the sediment hygienically removed.

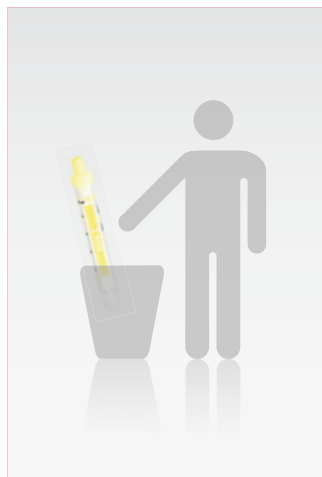
Tube for analysis



Available in a range of sizes and options, the Urine Monovette® optimises existing processes and is ideal for use in automated urinalysis processes.

Photo: Ronald Bonss

Low-cost disposal



Puncture-resistant containers are not required for disposal of the Urine Monovette®.

Urine Monovette®

Hygienic and efficient workflow

- The suction tip (included with all Urine Monovettes) allows hygienic withdrawal of urine from a collection cup
- Commercially available test strips for urine analysis can be placed directly into the filled Urine Monovette®
- The Urine Monovette® can be used in a centrifuge to recover sediment
- Suitable for transportation and mailing in accordance with packaging instruction P650 of the ADR and IATA

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
10.250.001	PP	3.2	75/13	Paper label	512
10.258	PP	8.5	92/15	Transparent label	512
10.258.020	PP	8.5	92/15	Transparent label, individually wrapped, sterile	500
10.252	PP	10	102/15	Transparent label	512
10.252.001	PP	10	102/15	Paper label	512
10.252.030	PP	10	102/15	White for UV light protection	512
10.252.020	PP	10	102/15	Transparent label, individually wrapped, sterile	500

Extra suction tips

Order no.	Material	Length in mm	Ø in mm	Packaging units/case
10.251	PP	76	8	5,000

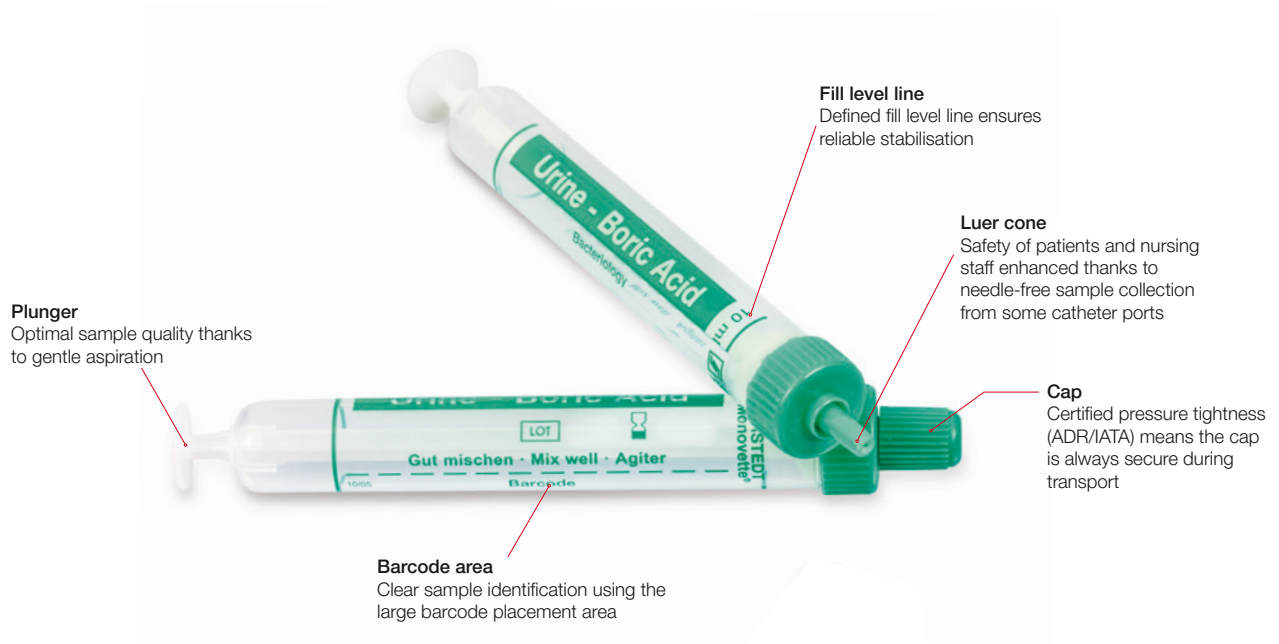
PP = polypropylene



Urine Monovette® with stabiliser

Urine Monovette® with stabiliser

When it comes to bacteriological urine testing, the Urine Monovette® with boric acid offers all the benefits of the Urine Monovette® plus effective stabilisation of microorganisms contained in the urine.



The urine sample is hygienically removed from a collection cup using the supplied suction tip until the fill level line is reached. The immediately active bacteriostatic effect has been proven to stabilise the germination rate of the most common causes of urinary tract infections. The urine sample can then be stored at room temperature or mailed, allowing reliable microbiological test results to be obtained up to 48 hours after collection.

You can find more detailed literature on the stabilising effect of the Urine Monovette® with boric acid at www.sarstedt.com.



Urine sample collection with stabiliser

Urine Monovette® with stabiliser*

- Stabilises microorganisms immediately after sample collection for up to 48 hours
- The bacteriostatic effect of boric acid on the most important causes of urinary tract infections has been proven
- Urine collection and transportation of the sample in a single container

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
10.253	PP	10	102/15	Transparent label	512
10.253.001	PP	10	102/15	Paper label	512
10.253.020	PP	10	102/15	Transparent label, individually wrapped, sterile	500
10.253.021	PP	10	102/15	Paper label, individually wrapped, sterile	500

Extra suction tips

Order no.	Material	Length in mm	Ø in mm	Packaging units/case
10.251	PP	76	8	5,000

Screw cap urine tube with stabiliser*

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
51.9923.830	PP	10	100/16	Conical tube, red cap only available in the UK	1,000
51.9923.820	PP	30	90/25	Conical skirted base, red cap	500

V-Monovette® Urine with stabiliser*

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
11.2253.001	PET	4	75/13	Round base, paper label, sterile	500
11.2453.001	PET	10	100/15	Round base, paper label, sterile	500

PP = polypropylene, PET = polyethylene terephthalate

* The boric acid concentration for each nominal volume is 1.5%



The vacuum system for closed urine transfer

Hygienic and convenient for patient and user, the V-Monovette® Urine system sets optimal pre-analytical standards for routine urine diagnostics. You can rely on guaranteed sterility and hygienic urine collection. Transportation, storage, and subsequent laboratory testing can all take place using the V-Monovette® Urine. This, in addition to a range of options, makes the V-Monovette® Urine a practical and efficient solution for reliable urine diagnostics.



Urine cup with integral transfer device for urine samples above 20 ml

Order no.	Material	Volume in ml	Height/diameter in mm	Design	Packaging units/case
75.562.400	PP	100	72/62	Assembled screw cap, with integral transfer device and safety label, sterile	200

Transfer straw device

Order no.	Material	Tube length in mm	Design	Packaging units/case
11.1240	PP, PE, stainless steel	100	Compatible with any V-Monovette® Urine	500

V-Monovette® Urine without stabiliser

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
11.2252.001	PET	4	75/13	Round base, paper label, sterile	500
11.2352.001	PET	6	100/13	Round base, paper label, sterile	500
11.2452.001	PET	10	100/15	Round base, paper label, sterile	500

V-Monovette® Urine without stabiliser, ideal for sediment collection

- The ideal centrifuge vessel for sediment collection
- Improved centring in rack due to flanges in the tapered base
- Suitable for use with a KOVA pipette for standardised analysis of urine sediment

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
11.2552.001	PET	9.5	100/15	Conical base, paper label, sterile	500

PP = polypropylene, PE = polyethylene, PET = polyethylene terephthalate

V-Monovette® Urine with boric acid stabiliser

- Stabilises the microorganisms in the urine, plus offers the benefits of a closed system
- When filled to the nominal volume, the urine is effectively stabilised for up to 48 hours at room temperature

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Packaging units/case
11.2253.001	PET	4	75/13	Round base, paper label, sterile	500
11.2453.001	PET	10	100/15	Round base, paper label, sterile	500

3 litre urine collection container with integral transfer device

- Convenient horizontal sample transfer at volumes > 1200 ml: The integral transfer device is always located on the opposite side of the recessed handle.
- Enables inverted transfer of small-volume samples above 700 ml
- Ergonomic recessed handle for secure grip
- Transparent inspection strip with 100 ml graduations
- Large-diameter mouth (80 mm)

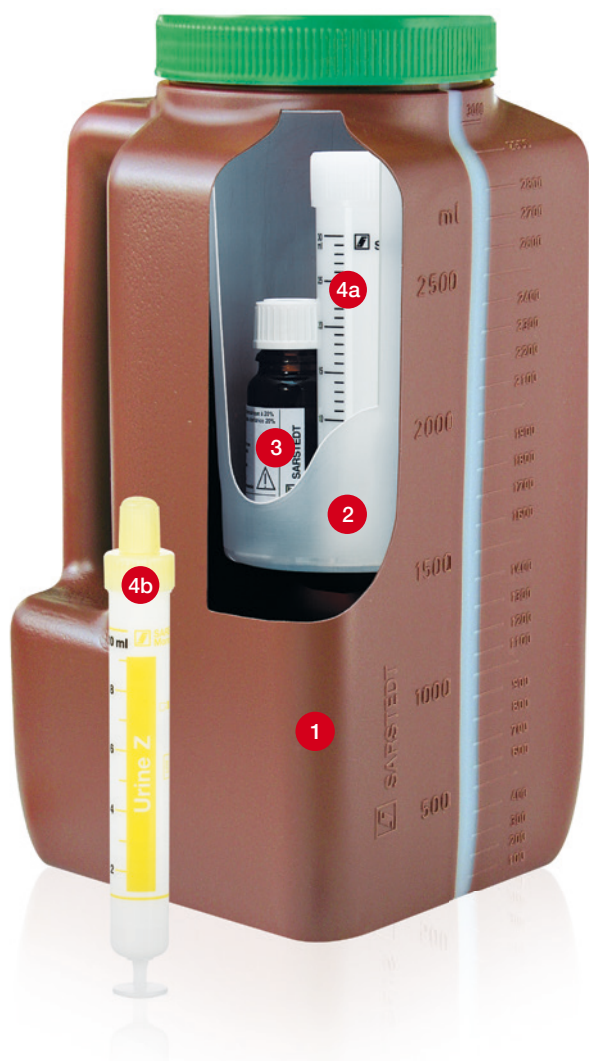
Order no.	Material	Volume in ml	Mouth/Ø in mm	Design	Packaging units/case
77.575.400	PE	3,000	80	Brown, yellow PP screw cap with integral transfer device, fitted, self-adhesive label in German included	30
77.575.401	PE	3,000	80	Brown, yellow PP screw cap with integral transfer device, fitted, self-adhesive label in English included	30
77.575.402	PE	3,000	80	Brown, yellow PP screw cap with integral transfer device, fitted, self-adhesive label in French included	30

PET = polyethylene terephthalate, PE = polyethylene



UriSet 24

The complete set for standardised, patient-friendly, 24-hour urine collection



- 1 Collection bottle**
With 3,000 ml capacity, ergonomic handle, large-diameter (80 mm) mouth, and transparent inspection strip with 100 ml graduation increments to facilitate volume confirmation
- 2 Collection and transfer container**
The integrated urine collection cup enables patient-friendly collection and hygienic transfer of the urine from the collection container to the transport tube.
- 3 Stabiliser**
The hydrochloric acid (9 ml, 20%) included in the set is predosed into a glass bottle with safety dropper. Advantages: No additional work required, improved patient safety. The quantity and concentration of hydrochloric acid is selected for optimum stabilisation of the urine for up to 7 days, for example for the analysis of catecholamines, metanephrines, vanillylmandelic acid, homovanillic acid and 5-hydroxyindoleacetic acid. The long period of stability at room temperature allows the samples to be processed in the laboratory with efficient batches.
- 4a Transport tube or 4b Urine Monovette®**
Only the enclosed 30 ml tube or Urine Monovette® is sent to the doctor or laboratory. The patient is responsible for disposing of the urine collection bottle. A self-adhesive label is enclosed with the transport container for secure patient identification. Even light-sensitive markers like porphyrins can be reliably retained for analysis thanks to the integrated UV light protection of the tubes.

UriSet 24 versions

Order no.	Material	Design	Packaging units/case
77.578	PE	With stabiliser and 30 ml transport tube	30
77.578.252	PE	With stabiliser and white (UV light protection) Urine Monovette®	30
77.578.010	PE	Without stabiliser, with white (UV light protection) Urine Monovette®	30

Individual components of the UriSet 24

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Packaging units/case
75.1356	PP	500	148/80	500 ml urine collection cup with 80 mm mouth, neutral	250
10.252.030	PP	10	102/15	Urine Monovette®, white (UV light protection)	512
62.543.030	PP	30	107/25	30 ml transport tube, white (UV light protection) with screw cap	500

PE = polyethylene, PP = polypropylene

Urine collection containers

Urine collection containers

- Fill volume 3,000 ml, 2,000 ml, 500 ml or 250 ml
- Ergonomic recessed handle for secure grip of the 3 L collection bottle
- Large-diameter mouth

Order no.	Material	Volume in ml	Mouth/Ø in mm	Design	Packaging units/case
77.575	PE	3,000	80	Brown with clear inspection strip and 100 ml graduations, yellow PP screw cap, self-adhesive label in German included	30
77.575.001	PE	3,000	80	Brown with clear inspection strip and 100 ml graduations, yellow PP screw cap, self-adhesive label in English included	30
77.580	PE	2,000	80	Brown with 100 ml graduations, yellow PP screw cap, self-adhesive label in English/German included	30
77.582	PE	500	42	Brown, with black HD-PE screw cap	100
77.577	PE	250	35	White, with black HD-PE screw cap	120

Self-adhesive label for urine collection container

for 77.575, 77.575.400 and 77.580

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

PE = polyethylene, HD-PE = high density polyethylene



Urine cup – with screw cap

Urine cup

Our wide selection of user-friendly urine cups meets all of the requirements for collection, transport, and storage of urine samples. The variety of volumes as well as the availability of snap-on lid and screw cap options mean the products come with practical features that are suitable for a wide range of individual solutions.



70 ml cup, highly transparent with yellow HD-PE screw cap

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging units/case
75.9922.744	PP	70	55/44	Cup with assembled screw cap	①	500
75.9922.745	PP	70	55/44	Cup with assembled screw cap, with standard label	③	500
75.9922.721	PP	70	55/44	Cup with assembled screw cap, sterile, individually packaged with standard label	③	200

90 ml cup, transparent with neutral HD-PE screw cap

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging bags/case
75.1435.002	PP	90	65/60	Cup with assembled screw cap, sterile, with safety label and proof of closure system <small>only available in the US</small>	⑬	400

100 ml cup, transparent with neutral HD-PE screw cap

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging bags/case
75.562.105	PP	100	73/62	Cup with assembled screw cap, sterile, with safety label	⑤	5/200
75.562.005	PP	100	73/62	Cup with assembled screw cap	⑥	5/200
75.562.300	PP	100	72/62	Cup with screw cap included	⑥	50/250
75.563	PP	100	72/62	Cup without screw cap	⑥	50/500
76.564	HD-PE	-	14/62	Screw cap	⑥	50/500

100 ml cup, brown with brown HD-PE screw cap

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging bags/case
75.562.011	PP	100	72/62	Cup with screw cap included	②	50/250

HD-PE = high density polyethylene, PP = polypropylene

Urine cups – with and without snap-on lids

100 ml cup, transparent with green HD-PE screw cap

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging units/case
75.1354.001	PP	100	74/58	Cup with screw cap included	④	500

100 ml and 250 ml cups, white

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging units/case
75.560	PS	250	100/73	Cup, without snap-on lid corresponding snap-on PS lid is 76.561 (500 pcs)	⑩	500
75.570	PS	100	49/70	Cup, without snap-on lid corresponding snap-on PS lid is 76.571 (1,000 pcs)	⑦	1,000

125 ml cup, highly transparent with red PE snap-on lid

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging bags/case
75.1355	PP	125	67/66	Cup without snap-on lid	⑨	50/1,000
76.1477	PE	-	-	Red snap-on lid with spout for 125 ml container 75.1355	⑨	1,000/1,000
76.1477.100	PE	-	-	Red snap-on lid with spout for 125 ml container 75.1355	⑨	100/1,000
76.1414	PE	-	-	Red snap-on lid without spout for 125 ml cup 75.1355	⑪	1,000/1,000
76.1414.100	PE	-	-	Red snap-on lid without spout for 125 ml cup 75.1355	⑪	100/1,000

125 ml cup, transparent

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging units/case
75.565	PP	125	85/62	Cup without lid	⑫	500

500 ml cup, neutral

- For collection of urine for 24-hour urine containers

Order no.	Material	Volume in ml	Length/Ø in mm	Design	Fig.	Packaging units/case
75.1356	PP	500	148/80	Urine collection cup with 80 mm mouth, neutral (see p. 10 'Individual components')	⑧	250

PS = polystyrene, PP = polypropylene, PE = polyethylene

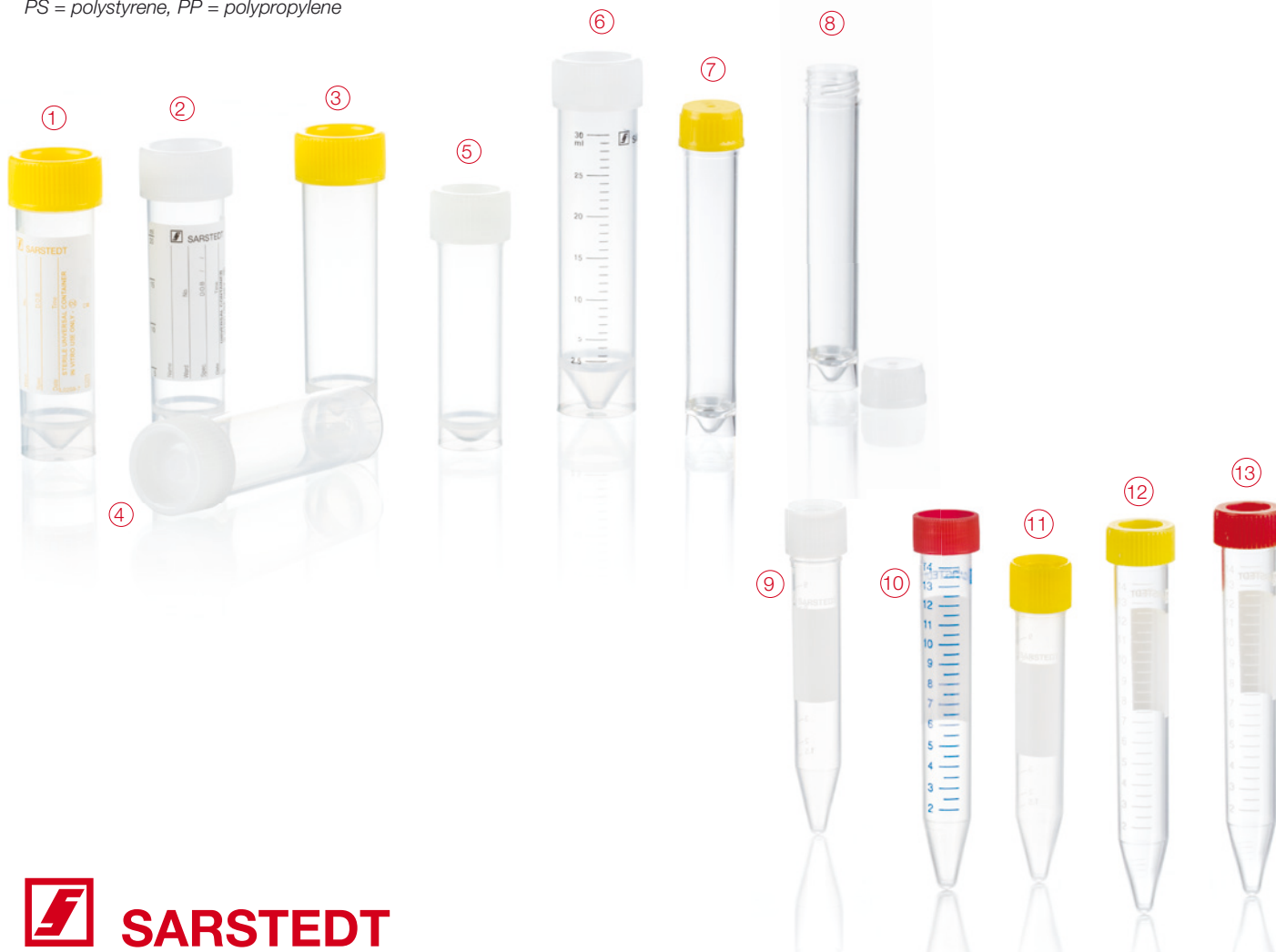


Tubes with conical skirted base and screw cap

Tubes with conical skirted base and screw-cap

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Fig.	Packaging units/case
60.9921.821	PS	10	97/16	Neutral cap included	⑧	500/bag 1,000/case
60.9921.830	PS	10	97/16	Yellow cap assembled	⑦	100/bag 1,000/case
60.9921.829	PS	10	97/16	Yellow cap assembled, sterile	⑦	100/bag 1,000/case
60.732	PP	15	76/20	Neutral cap included	⑤	100/bag 500/case
60.732.001	PP	15	76/20	Neutral cap assembled, sterile	⑤	100/bag 500/case
60.9922.241	PP	25	90/25	Neutral cap assembled	④	500/bag 500/case
63.9922.252	PP	25	90/25	Neutral cap assembled, with label	②	500/bag 500/case
60.9922.243	PP	25	90/25	Yellow cap assembled, sterile	③	500/bag 500/case
63.9922.248	PP	25	90/25	Yellow cap assembled, with label, sterile, individually packed	①	1/bag 300/case
63.9922.254	PP	25	90/25	Yellow cap assembled, with label, sterile	①	500/bag 500/case
62.543	PP	30	107/25	Neutral cap assembled, with printed graduations	⑥	125/bag 500/case
62.543.001	PP	30	107/25	Neutral cap assembled, sterile, with printed graduations	⑥	50/bag 400/case

PS = polystyrene, PP = polypropylene





Reaction and centrifuge tubes with conical base

Tubes with conical base, screw cap

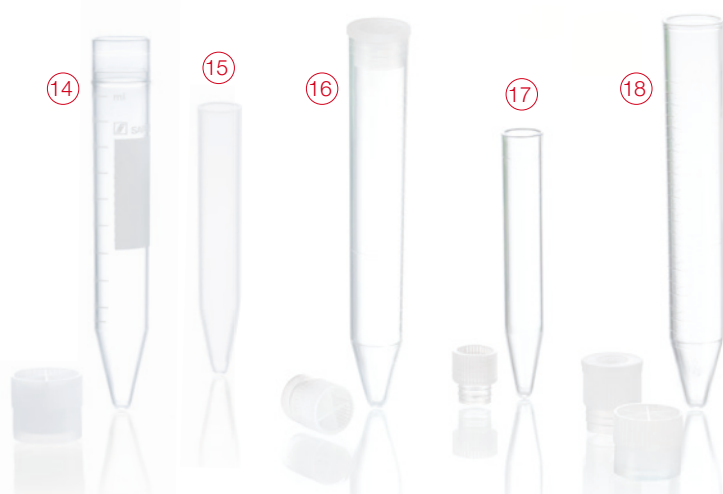
- With graduation and writing block

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Fig.	Packaging units/case
62.9924.283	PP	10	100/16	Neutral cap included, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	9	500/bag 1,000/case
62.9924.284	PP	10	100/16	Yellow cap assembled, sterile, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	11	100/bag 1,000/case
62.554.001	PP	15	120/17	Red cap assembled, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	10	50/bag 500/case
62.554.502	PP	15	120/17	Red cap assembled, sterile, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	10	50/bag 500/case
62.553.041	PS	15	120/17	Yellow cap assembled, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	12	50/bag 500/case
62.553.542	PS	15	120/17	Yellow cap assembled, sterile, DNA-free, DNase-free, non-pyrogenic/endotoxin-free, non-toxic	12	50/bag 500/case
62.553.001	PS	15	120/17	Red cap included only available in the US	13	50/bag 500/case
62.553.205	PS	15	120/17	Red cap assembled, sterile, non-pyrogenic/endotoxin-free only available in the US	13	50/bag 500/case

Tubes with conical base, push-cap

Order no.	Material	Volume in ml	Tube length/Ø in mm	Design	Fig.	Packaging units/case
57.477	PS	4.5	75/12	Tube only corresponding cap 65.809.300 or 65.719	17	500/  2,000/box
57.512	PP	4.5	75/12	Tube only corresponding cap 65.809.300 or 65.719	15	1,000/bag 4,000/case
62.9924.272	PP	10	100/16	Tube only, with graduations and writing block corresponding cap 65.793.300, 65.816, or 65.720	14	100/bag 1,000/case
57.462	PS	12	110/17	Tube only, with graduations corresponding cap 65.793.300 or 65.816	18	500/bag 1,000/case
57.462.015	PS	12	110/17	Tube only, with graduations corresponding cap 65.793.300 or 65.816	18	250/  1,000/box
57.462.001	PS	12	110/17	Tube with cap assembled, with graduations, sterile,	18	100/bag 500/case
57.527	PP	12	110/17	Tube only, with graduations corresponding cap 65.793.300, 65.816	16	500/bag 1,000/case

PS = polystyrene, PP = polypropylene,  = StackPack



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

Visit our website: www.sarstedt.com



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Urine - Boric Acid

SARSTEDT AG & Co. KG
P.O. Box 12 20
D-51582 Nümbrecht
Phone: +49 2293 305 0
Fax: +49 2293 305 3992
export@sarstedt.com
www.sarstedt.com