

Urine Analysis

Solutions for sample collection



SARSTEDT International

Your partner in medicine and science worldwide



For further information, visit:
www.sarstedt.com



'Hippocrates analyzed the odor and color 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 diagnostics 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 organization.

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 endeavor.

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.

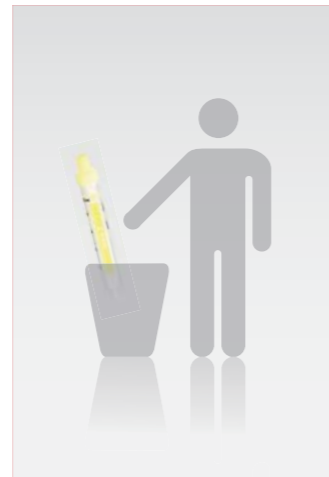
Tube for analysis



Available in a range of sizes and options, the Urine Monovette® optimizes 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, bulk | 512 |
| 10.258 | PP | 8.5 | 92/15 | Clear label, bulk | 512 |
| 10.258.020 | PP | 8.5 | 92/15 | Clear label, individually wrapped, sterile | 500 |
| 10.252 | PP | 10 | 102/15 | Clear label, bulk | 512 |
| 10.252.001 | PP | 10 | 102/15 | Paper label, bulk | 512 |
| 10.252.030 | PP | 10 | 102/15 | White for UV light protection, bulk | 512 |
| 10.252.020 | PP | 10 | 102/15 | Clear label, individually wrapped, sterile | 500 |
| 10.252.028 | PP | 10 | 102/15 | Clear label, with Luer lock adapter (no image), individually wrapped, sterile only available in the USA | 100 |

Extra suction tips

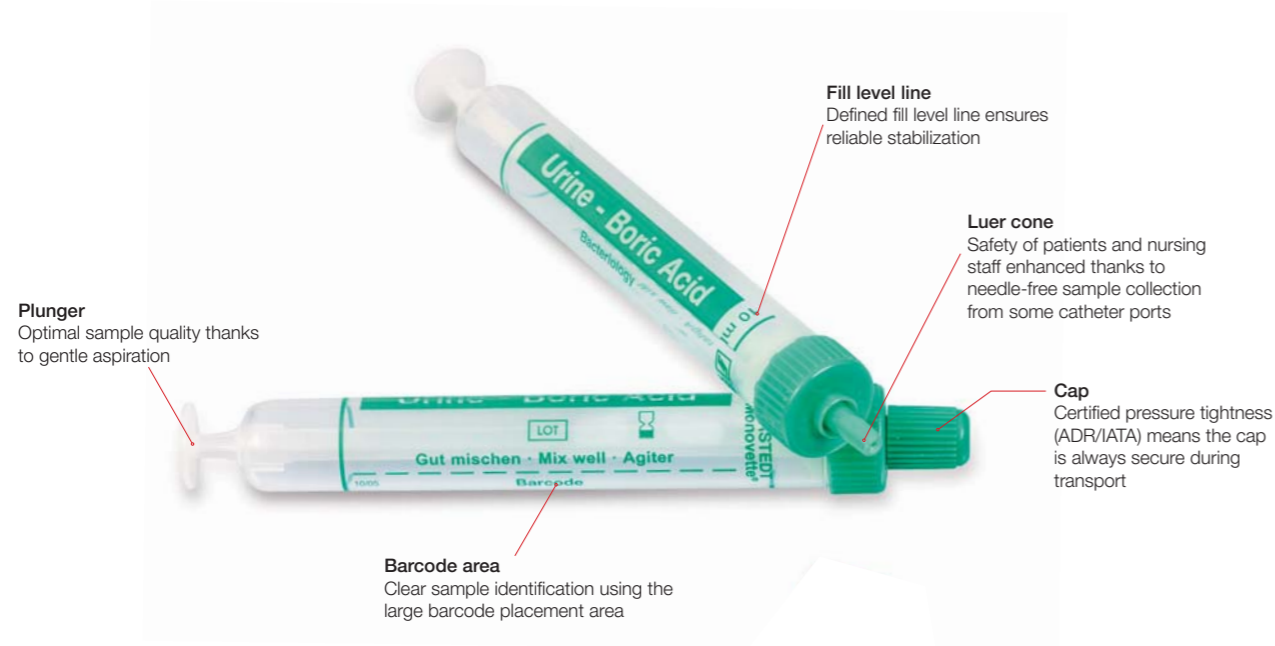
| Order no. | Material | Length in mm | Ø in mm | Packaging units/case |
|-----------|----------|--------------|---------|----------------------|
| 10.251 | PP | 76 | 8 | 5,000 |

PP = polypropylene



Urine Monovette® with stabilizer

When it comes to bacteriological urine testing, the Urine Monovette® with boric acid offers all the benefits of the Urine Monovette® plus effective stabilization 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 stabilize 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 stabilizing effect of the Urine Monovette® with boric acid at www.sarstedt.com.



Urine Monovette® with stabilizer*

- Stabilizes 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 | Clear label, bulk | 512 |
| 10.253.001 | PP | 10 | 102/15 | Paper label, bulk | 512 |
| 10.253.020 | PP | 10 | 102/15 | Clear 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 stabilizer*

| 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 Great Britain | 1,000 |
| 51.9923.820 | PP | 30 | 90/25 | Conical skirted base, red cap | 500 |

V-Monovette® Urine with stabilizer*

| 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 integrated 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 integrated 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 stabilizer

| 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 stabilizer, ideal for sediment collection

- The ideal centrifuge vessel for sediment collection
- Improved centering in rack due to flanges in the tapered base
- Suitable for use with a KOVA pipette for standardized 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 stabilizer

- Stabilizes the microorganisms in the urine, plus offers the benefits of a closed system
- When filled to the nominal volume, the urine is effectively stabilized 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 liter 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 integrated transfer device, fitted, self-adhesive label in German supplied | 30 |
| 77.575.401 | PE | 3,000 | 80 | Brown, yellow PP screw cap with integrated transfer device, fitted, self-adhesive label in English supplied | 30 |
| 77.575.402 | PE | 3,000 | 80 | Brown, yellow PP screw cap with integrated transfer device, fitted, self-adhesive label in French supplied | 30 |

PET = polyethylene terephthalate, PE = polyethylene



UriSet 24

The complete set for standardized, 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 Stabilizer**
The hydrochloric acid (9 ml, 20%) included in the set is pre-dosed 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 stabilization 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 stabilizer and 30 ml transport tube | 30 |
| 77.578.252 | PE | With stabilizer and white (UV light protection) Urine Monovette® | 30 |
| 77.578.010 | PE | Without stabilizer, 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

- 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 supplied | 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 supplied | 30 |
| 77.580 | PE | 2,000 | 80 | Brown with 100 ml graduations, yellow PP screw cap, self-adhesive label in English/German supplied | 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 | Conup 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 |
|-------------|----------|--------------|----------------|---|------|---------------------|
| 75.1435.004 | PP | 90 | 65/60 | Cup with assembled dual-click screw cap, sterile, with safety label and proof of closure system only available in the US | 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

| 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



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 |
|-------------|----------|--------------|---------------------|--|------|-----------------------|
| 62.9924.293 | PP | 10 | 100/16 | Neutral cap included | ⑨ | 500/bag 1,000/case |
| 62.9924.294 | PP | 10 | 100/16 | Yellow cap assembled, sterile | ⑪ | 100/bag 1,000/case |
| 62.554.101 | PP | 15 | 120/17 | Red cap included | ⑩ | 50/bag 500/case |
| 62.554.205 | PP | 15 | 120/17 | Red cap assembled, sterile, non-pyrogenic/endotoxin-free, non-cytotoxic | ⑩ | 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, non-cytotoxic 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/ 888 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 |
| 57.462.300 | 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/ 888 1,000/box |
| 57.462.001 | PS | 12 | 110/17 | Tube with cap assembled, with graduations, sterile, | ⑱ | 100/bag 500/case |
| 57.527.300 | PP | 12 | 110/17 | Tube only, with graduations corresponding cap 65.793.300, 65.816 | ⑰ | 500/bag 1,000/case |

PS = polystyrene, PP = polypropylene, 888 = StackPack



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

Visit our website: www.sarstedt.com



This publication may contain information about products that may not be available in all countries. Subject to change without notice.

25_219_0200_501

SARSTEDT, Inc.
1025 St. James Church Road
P.O. Box 468
Newton, NC 28658 - 0468
Toll free: +1 800 257 5101
Fax: +1 828 465 4003
customerservice.us@sarstedt.com
www.sarstedt.com