



# VACUETTE®

## Urine System

The practical solution  
for standardised preanalytics

# VACUETTE® Urine System

Every urine sample is potentially infectious. By using the closed **VACUETTE®** Urine System, hygienic sample collection and laboratory processing can be ensured.

## Improved hygiene

- Improved safety for laboratory and hospital personnel through the use of a closed system.

## Contamination is virtually impossible

- Contamination is virtually impossible when transferring into a secondary vessel.

## Safe and convenient transport

- **VACUETTE®** Urine Tubes are hermetically sealed, sterile, virtually unbreakable and packed in compact racks.

## Pre-analytical standardisation

- Errors produced as a result of collection, transportation and storage are reduced to a minimum.

## High quality

- Sterile **VACUETTE®** Urine Tubes have an exact dosage vacuum and are guaranteed to meet highest quality standards.

## Highly efficient and cost saving

- Collection, transportation, centrifugation, analysis and storage can all be executed in a single sterile tube.

### Recommendations to guarantee a stable sample quality:

- In cases where the sample remains in the Urine Beaker for a longer period of time, it should be carefully and thoroughly mixed, thus distributing the sedimentation throughout the sample prior to transferring.
- Exclusive use of a sterile Urine Beaker for urine collection will delay bacterial growth, which in turn could influence sample quality.
- When using **VACUETTE®** Urine Culture Tubes, tubes should be inverted several times so as to mix the urine and preservative homogeneously.
- Recommended centrifugal conditions for conical base tubes: 5 Min. / 400 g.



**24 HR URINE COLLECTION CONTAINER**  
the practical solution for urine collection over a 24 hour period.



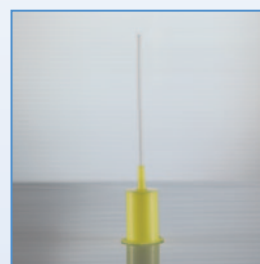
**URINE BEAKER**  
with integrated urine transfer device (sterile).



**URINE BEAKER**  
with Safety Stopper (sterile).



**URINE BEAKER**  
with yellow lid (sterile).



**URINE TRANSFER DEVICE**  
for the convenient sample transfer from the collection vessel.

**VACUETTE® URINE TUBE ▶**  
round base (sterile).



**◀ VACUETTE® URINE TUBE**  
conical base (sterile).





VACUETTE® Urine System

### Application of Urine Beaker with Integrated Transfer Device\*



Remove the protective sticker from the lid.



Insert the **VACUETTE®** Urine Tube into the Integrated Urine Transfer Device until the Safety Stopper is fully penetrated.



The urine will then automatically flow into the **VACUETTE®** Urine Tube in accordance with the exact defined vacuum. Remove the filled **VACUETTE®** Urine Tube from the Integrated Urine Transfer Device in the lid of the Urine Beaker.



Invert the **VACUETTE®** Urine Tube several times and replace the protective sticker on the lid, thus preventing needlestick injuries during disposal. Dispose of the Urine Beaker with Integrated Urine Transfer Device accordingly.

\*For further collection devices, see table on page 5 and always refer to the correspondent Instructions for Use on [www.gbo.com](http://www.gbo.com)

# Overview of Tube Types and Areas of Application

## VACUETTE® Urine tube without additive, round base:

This tube can be used as a collection tube and/or transport container in the following areas of application:

- Chemical urine tests\*
- Urine test strips\*

It is recommended that the analysis is carried out as soon as possible after the collection. During the preanalytical phase, the stability of the sample is influenced by storage temperature and time. The cooler the storage temperature, the longer they can be stored. When cooled (to 4°C), a urine sample is suitable for:

- Microbiological determinations\*

## VACUETTE® Urine tube – without additive, conical base:

The tubes are used as collection tube and/or transport container in the following area of application:

- Urine microscopy\*

The time between collection and analysis should not last longer than 2 hours. The recommended examination material for microscopical evaluation of sediment is mid-stream urine.

## VACUETTE® Urine culture tubes – with preservative (Boric acid), round base:

Boric acid stabilises the microbial count in urine for up to 24 hours. The tubes can be used as collection tube and/or transport container in the following areas of application:

- Urine samples, which cannot be examined within 2 hours after collection.\*
- Urine samples for otherwise instable parameter which must be kept stable.\*
- Urine tubes with boric acid are not suitable for the microscopic evaluation of sediment!\*

## VACUETTE® Stabilur tubes:

The **VACUETTE®** Stabilur tubes contain a special additive which prevents a bacterial degradation of the urine components without interfering with most analytes. The Stabilur tubes are suitable for application if the analysis can only be carried out later.

The tubes are used as collection tube and/or transport container in the following areas:

- Urine microscopy\*

The tubes are sterile, leak-proof and shatter-proof. As a rule, urine should be stored in dark, cool conditions.

	Chemical urine analysis	Urine test strips	Microbiological studies	Urine sediment
Urine without preservative, round base	+	+	++	
Urine without preservative, conical base	+	+	++	+
Urine + boric acid, round base			+	
Urine + boric acid, conical base			+	
Urine + stabilur, round base				+

\* Please heed information from the analyzer manufacturer.

\*\* It is recommended that the analysis be carried out as soon as possible after collection.

## VACUETTE® Urine Tubes

Item No.	Nom. Vol.	Cap Colour	Ring Colour	Tube Size	Description
<b>Z Urine No Additive - PREMIUM (Safety Twist Cap)</b>					
456707	6ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
456007	6.5ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
<b>Z Urine No Additive - Non-ridged (pull cap)</b>					
456065	6.5ml	yellow	yellow	13 x 100	Z Urine No Additive, Round Base
455027	6.5ml	yellow	yellow	16 x 100	Z Urine No Additive, Conical Base
455227	7ml	yellow	yellow	16 x 100	Z Urine No Additive, Round Base
455007	10.5ml	yellow	yellow	16 x 100	Z Urine No Additive, Round Base
455028	9.5ml	yellow	yellow	16 x 100	Z Urine No Additive, Conical Base
<b>Urine Culture (boric acid) - Ridged (Twist Cap)</b>					
456009	6.5ml	yellow	black	13 x 100	Urine Culture (boric acid), Round Base
<b>Urine Culture (boric acid) - Non-ridged (pull cap)</b>					
454239	4ml	yellow	black	13 x 75	Urine Culture (boric acid), Round Base
455003	10.5ml	yellow	black	16 x 100	Urine Culture (boric acid), Round Base
455029	9.5ml	yellow	black	16 x 100	Urine Culture (boric acid), Conical Base

## VACUETTE® Urine Accessories

Item No.	Name	Nom. Vol.	Description	Packaging Inner	Packaging Outer
Urine Sets (Urine Tube + Urine Transfer Device)					
453070	Urine Set (16 x 100)	9.5ml	455028 Urine Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
Urine Culture Sets (Urine Culture Tubes)					
453022	Urine Culture Set (13 x 75)	4ml	454239 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453041	Urine Culture Set (13 x 100)	6.5ml	456009 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453080	Urine Culture Set (16 x 100)	9.5ml	455029 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
453085	Urine Culture Set (16 x 100)	10.5ml	455003 Urine Culture Tube and 450251 Urine Transfer Device, single-packed	1 set	300 sets
Urine Beakers					
724320	Urine Beaker 100 ml, yellow lid, with Ring Screw Closure, bulk-packed, sterile				300 pcs.
724300	Urine Beaker with Safety Stopper 100 ml, white lid, single-packed, sterile			1 pc.	100 pcs.
724310	Urine Beaker with integrated Transfer Device 100 ml, yellow lid, with Ring Screw Closure, single-packed, sterile			1 pc.	200 pcs.
Urine Containers					
724315	24 Hour Urine Collection Container with Screw Cap, 2.7 litre, brown				34 pcs.
Urine Transfer Devices					
450251	Urine Transfer Device, short			50 pcs.	600 pcs.
450252	Urine Transfer Device, long			50 pcs.	600 pcs.
450253	Urine Transfer Device, short, sterile			1 / 50 / 300 pcs.	





For further information, please visit our website [www.gbo.com/preanalytics](http://www.gbo.com/preanalytics) or contact us:

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