

*UriSponge™*

# Advanced active device for urine collection, transport, and preservation





Copan UriSponge™ - Urine Collection, Transport and Preservation System is intended for the collection, transport and preservation of urine specimens from the collection site to the testing laboratory.

In the laboratory, UriSponge™ specimens are processed using standard clinical laboratory operating procedures for the cultivation of uropathogenic bacteria and yeasts.

IVDR

Boric acid free

M40 - A2 compliant



#### *Boric acid free*

The UriSponge™ new preservation formula is boric acid-free, assuring the same performance but without boric acid-related handling and logistic troubles.



#### *Effective*

The sponge rapidly adsorbs the correct amount of urine, ensuring the perfect ratio between urine and preservatives.



#### *Secure*

Compact and leak-proof device for a safe and cost-effective shipment.



#### *Sustainable*

UriSponge™ does not contain any dangerous chemicals for humans or the environment. No need of extra plastics for liquid transfer.



#### *Ready to use*

In the lab, UriSponge™ can be used as it is, without cumbersome urine transfer to other tubes or the use of vacuum devices.



#### *Standardized workflow*

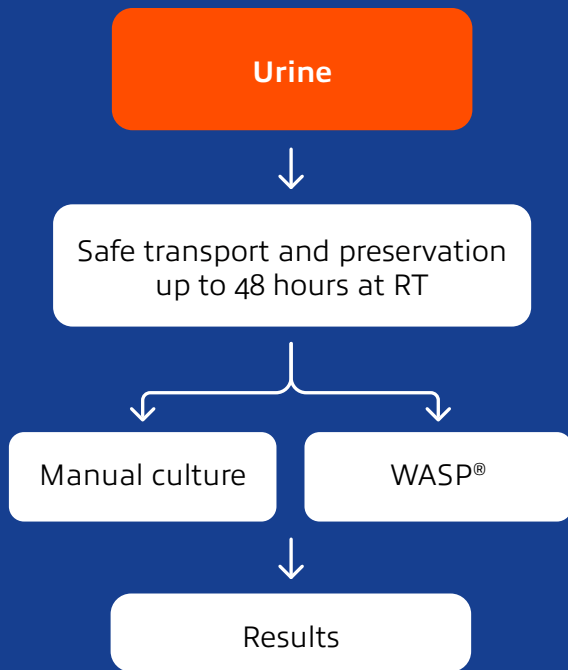
UriSponge™ grants optimized manual or automated processing of up to 2.5 ml of urine to fit standard urine culture procedures.



#### *Compliant*

UriSponge™ complies with the latest M40 and IVDR regulations.

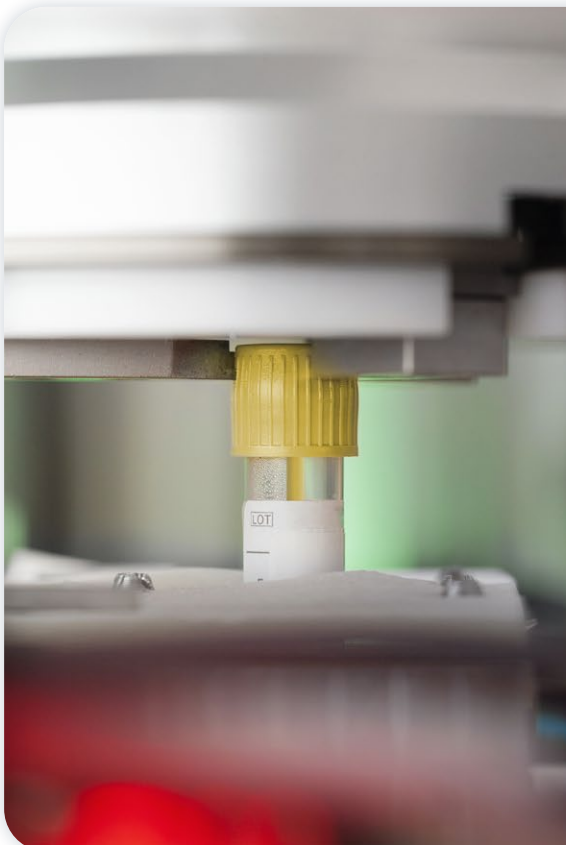




### Laboratory

## Handling & processing

Thanks to its compact design, UriSponge™ can either be loaded directly on your WASP® for automated streaking or manually centrifuged for manual plating. Urine collected in UriSponge™ can be stored at room temperature up to 48 hours with zero-risk of overgrowth or overkill during transport.



### WASP®

## Walk-Away Specimen Processor™

Copan WASP® is a truly revolutionary instrument of specimen processing for Microbiology. WASP® provides a comprehensive system encompassing all aspects of automated specimen processing, planting and streaking, Gram slide preparation, and enrichment broth inoculation.

**UriSponge™ is the ideal urine collection device for WASP® processing!**

Preservation

**The performance you need!**

The new UriSponge™ guarantees performances superior to devices based on boric acid and a far superior ability to assure the preservation of urine for culture application. Samples can be stored for up to 48 hours at room temperature.

Organism	Log bacterial count difference at 48h vs T0*	
	UriSponge™	Commercial boric acid-based vacuum tube
<b>GRAM -</b>		
<i>E. coli</i> (ATCC®25922)	-0,15	0,28
<i>E. cloacae</i> (ATCC®13047)	-0,18	0,38
<i>P. mirabilis</i> (ATCC® 7002)	-0,25	0,46
<i>C. freundii</i> (ATCC® 8090)	-0,26	0,12
<i>K. pneumoniae</i> (ATCC® 700-603 )	-0,28	<b>1,29</b>
<i>P. aeruginosa</i> (ATCC® 27853)	-0,76	-0,46
<b>GRAM +</b>		
<i>E. faecalis</i> (ATCC® 29212)	0,12	0,41
<i>S. saprophyticus</i> (ATCC® 15305)	-0,19	0,02
<b>YEAST</b>		
<i>C. glabrata</i> (ATCC® 15126)	0,02	<b>-2,48</b>
<i>C. albicans</i> (ATCC® 24433)	0,35	-0,30
<b>CLINICAL ISOLATED STRAIN</b>		
<i>E. faecalis</i> (clinical strain)	0,00	<b>1,02</b>
<i>E. coli</i> (clinical strain)	-0,31	0,54
<i>P. rettgeri</i> (clinical strain)	-0,30	0,35
<i>M. morgani</i> (clinical strain)	0,02	0,14

\*Results generated by Copan following the CLSI M40-A2 guideline.

Differences between log-based results of bacterial recovery of urine were preserved for 48 hours at 20-25 °C with UriSponge and with a commercial boric acid-based vacuum tube.

Values in red are out of the acceptance criteria for sample preservation, accordingly to the CLSI M40-A2 guideline.

Fields of application

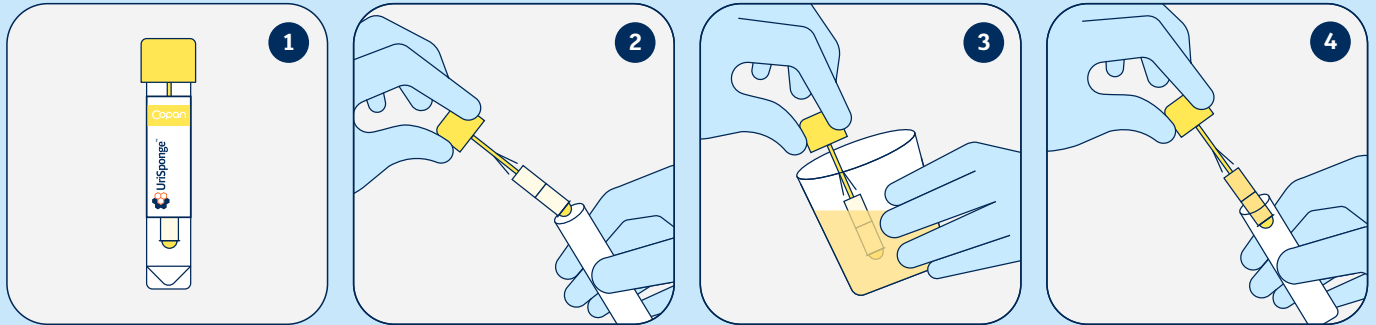
**Preanalytics made different**



**UTI**

## How to use

### Practical and reliable collection



## Formula

### Free from boric acid

Boric acid is widely used to preserve urine for culture application<sup>1</sup>.

Nonetheless, **boric acid is included in the Candidate List of substances of very high concern due to its toxicity for reproduction<sup>2</sup>**. This inclusion poses both a health concern and an apprehension for boric acid and devices for urine preservation based on this chemical future availability on the market.

**By eliminating boric acid from the UriSponge™ preservatives formula, we introduced many advantages that translate into cost savings operational efficiency, and environmental sustainability.** This streamlined logistics chain ensures smoother operations and faster delivery times, **benefitting both suppliers and end-users.**

All this while maintaining UriSponge™ 's viability preservation top performance.



## Ordering information

Cat. N.	Description	Pack size	Sample*
802CE.A	UriSponge™ in tube 	500 pieces (5 boxes of 100 pieces)	Urine
803CE.A	UriSponge™ in tube 	500 pieces (5 boxes of 100 pieces)	Urine

\*Suggested table. Please refer to your GLP procedures to choose the most appropriate device for the specific sampling site

## Scientific references

All the studies we cited in this product focus are listed here.

1. Effectiveness of Preanalytic Practices on Contamination and Diagnostic Accuracy of Urine Cultures: a Laboratory Medicine Best Practices Systematic Review and Meta-analysis Mark T. LaRocco, Jacob Franek, Elizabeth K. Leibach, Alice S. Weissfeld, Colleen S. Kraft, Robert L. Sautter, Vickie Baselski, Debra Rodahl, Edward J. Peterson, Nancy E. Cornish DOI: <https://doi.org/10.1128/cmr.00030-15>
2. <https://echa.europa.eu/candidate-list-table/-/dislist/details/obo236e1807d9b69>





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