



MICROBIOLOGY AUTOMATION EXPANDS WITH THE COPAN WASP® DT: WALK-AWAY SPECIMEN PROCESSOR »

Innovation in microbiology to automate sample processing,
streamline workflow and improve results



» Move healthcare forward.



Optimize your microbiology laboratory workflow with the WASP DT: Walk-Away Specimen Processor

Today, microbiology laboratories face many challenges. Among them is the need to balance budget constraints with fewer skilled technologists and increased workloads. The Copan WASP DT: Walk-Away Specimen Processor is an innovative instrument to help microbiology laboratories meet this challenge. It provides a total solution for pre-analytical specimen management that streamlines functions and increases capacity. It is the first system to automate core aspects of microbiology specimen processing, such as planting, streaking, slide preparation, enrichment broth inoculation and Kirby-Bauer inoculation.

Enhance productivity

Improve quality

Increase flexibility

1



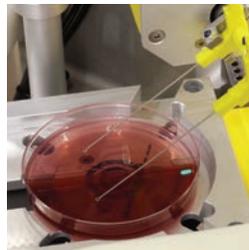
The Gram SlidePrep module reduces staff time by automating Gram slide preparation and permanently printing barcoded patient and specimen information on the slide.

2



The loop and tool change station allows for longer walk-away time and less user intervention by automatically selecting the appropriate inoculation tool (available in 1, 10 and 30 μ L loop sizes).

3



The dual streaking capability simultaneously streaks both sides of a biplate to increase throughput for high-volume specimen management.

4



The media carousel consists of nine silos and holds up to 378 plates of any manufacturer's standard media to accommodate most plating protocols.

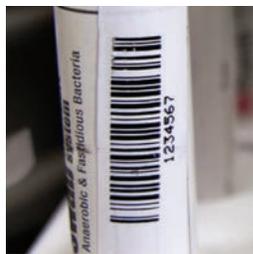
5



The broth enrichment/Kirby-Bauer inoculation module provides automatic inoculation of enrichment broth and Kirby-Bauer plates with no labeling required.



6



The Smart Scan technology reduces sample rejections by selecting the relevant barcode in the case of multiple labels.

7



The image analysis verification system confirms accuracy and integrity of the loop as well as the presence of inoculum.

8



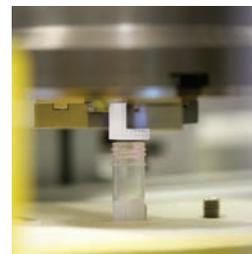
The individualized specimen management system provides a clean work environment with its containment and confinement measures.

9



The specimen incoming conveyor system allows continuous feeding of any sample type. No batching is necessary when using pallets.

10



The universal decapping station automatically opens and closes specimen containers of any size.

11



The inoculation system improves productivity while offering process standardization. It utilizes reusable standard metal loops with classic streak patterns, which reduce consumable waste. It can streak up to 130 plates per hour with full automation of all steps, including sample vortexing and decapping/recapping of the tubes.



A revolutionary addition to the MicroScan microbiology portfolio: ESwab™

The liquid-based sample collection and transport system allows for the standardization and automation of microbiology laboratories.



Designed to integrate perfectly with the Copan WASP

ESwab is the only patented liquid-based, multipurpose collection and transport system that maintains viability of aerobic, anaerobic and fastidious bacteria.

Simplify, streamline and improve productivity with ESwab

ESwab is an open platform suitable for automation, Gram staining and traditional culture.

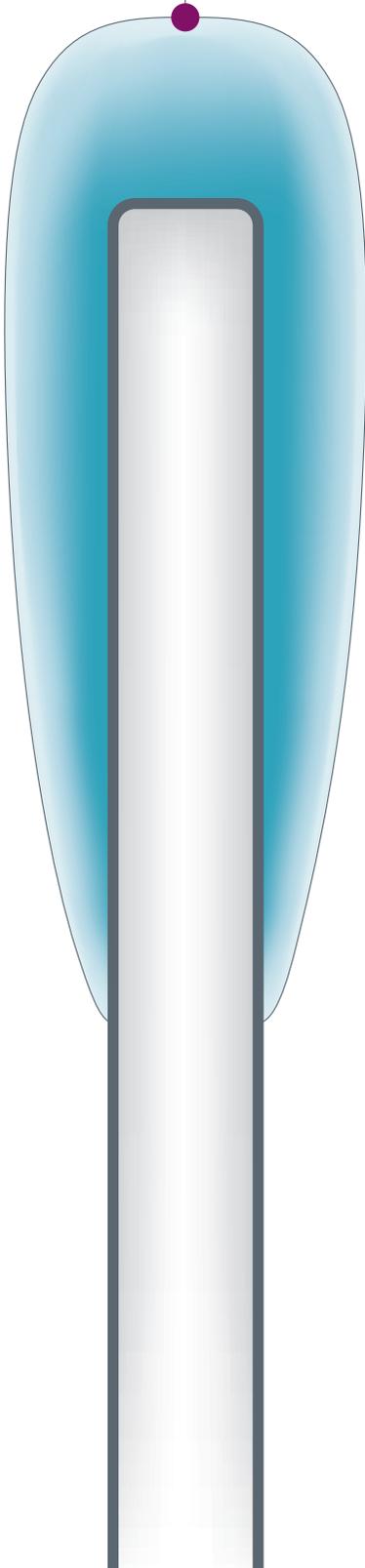
- > 90% of specimen moves from swab to liquid phase within seconds
- > Each collection kit provides up to 10 identical 100 µL aliquots, which allows for multiple tests from the same specimen
- > Multiple swab SKUs are replaced by standardizing with one convenient product
- > Unique cap design makes it an ideal platform for automation
- > Testing capabilities are expanded to Gram stain, PCR, rapid antigen tests and more
- > Bacteria are supported for up to 48 hours at room and refrigerator temperatures*



The specimen incoming conveyor system allows continuous feeding of any sample type. Use of pallets means specimen batching is not necessary.

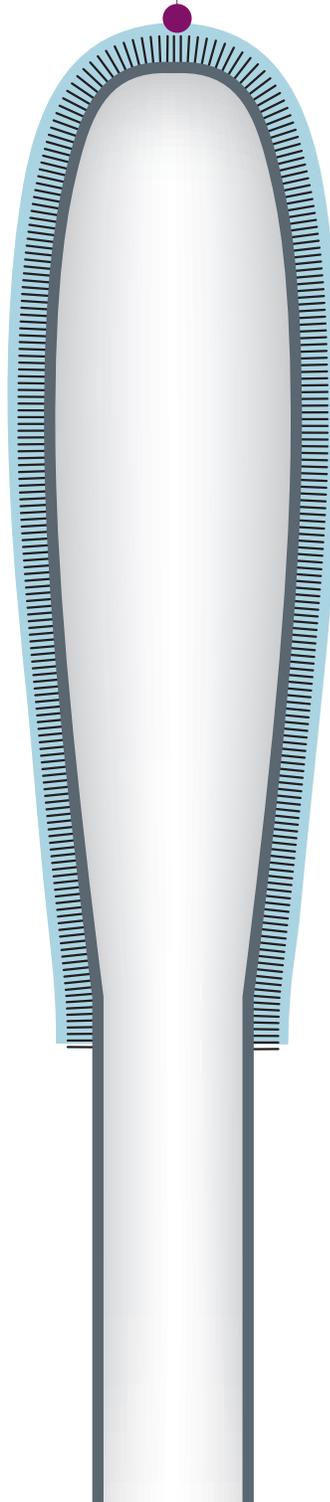
Fiber swab

Sample gets trapped in the fibers, making elution more difficult.



Nylon-flocked ESwab

ESwab's unique solid-core design with perpendicular nylon fibers keeps the sample close to the surface for complete elution within seconds. As much as 90% of the sample elutes off ESwab rapidly.



ESwab's unique cap design allows the applicator stick to securely attach to the cap so the swab can be conveniently removed and manipulated by using the cap as a handle.



Enhance productivity. Increase flexibility. Improve quality.

“The Copan WASP: Walk-Away Specimen Processor meets our expectations. We wanted a real robot requiring minimal human intervention—a technology that is CE marked, accepts all agar types and provides pre-analytical solutions with validated devices. We wanted the certainty of sustainability—which Copan offers through new products and modules that are WASP compatible—and good field service by a major player.”

Dr. Patrice Laudat, Head of Microbiology, Laboratoire Arnaud, Tours, France



WASP DT automates more steps and is much more flexible than similar systems. Customization and forward compatibility are built-in features, providing laboratories the means to easily adapt to evolving needs. The WASP DT system is also designed as an open-platform, modular instrument for the seamless addition of new features and capabilities. This format allows for future expansion while prolonging your initial investment.

Features and Benefits	WASP DT	PREVI Isola	BD/Kiestra InoqUA
Ability to process multiple container types and ESwabs, as well as streak biplates	✓	✓	✓
Ability to auto-inoculate enrichment broths	✓		✓
Automatic Gram stain slide preparation	✓		✓
Customizable streak patterns to meet specific needs and preferences	✓		✓
Reusable planting tools to reduce consumables cost and hazardous waste	✓		✓
Familiar methodology and tools for planting and streaking to eliminate plate-reading retraining	✓		
True vortex step prior to planting and streaking to prevent sample sedimentation	✓		
Integrated spinner to support fully automated processing of stool specimens	✓		
Decap and recap specimen container without user intervention to increase productivity	✓		✓



Bring our experience, leadership and innovation to your microbiology laboratory

For over 30 years, MicroScan has been a leader in microbiology ID/AST testing. Beckman Coulter also enjoys a long, proven track record in automation innovation with over 650 track-based, automated laboratories worldwide. Now, MicroScan is combining its excellence in microbiology and automation with the engineering know-how from Copan Diagnostics to offer the WASP DT: Walk-Away Specimen Processor, bringing the efficiency and savings of automation to the microbiology setting.

References

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