

A close-up photograph of a gloved hand holding a petri dish containing a red liquid medium. A swab is being used to collect a sample from the surface of the liquid. The background is slightly blurred, showing a laboratory setting with a perforated metal surface.

Liquid Based Microbiology

Simplify Specimen
Collection, Transport,
and Processing

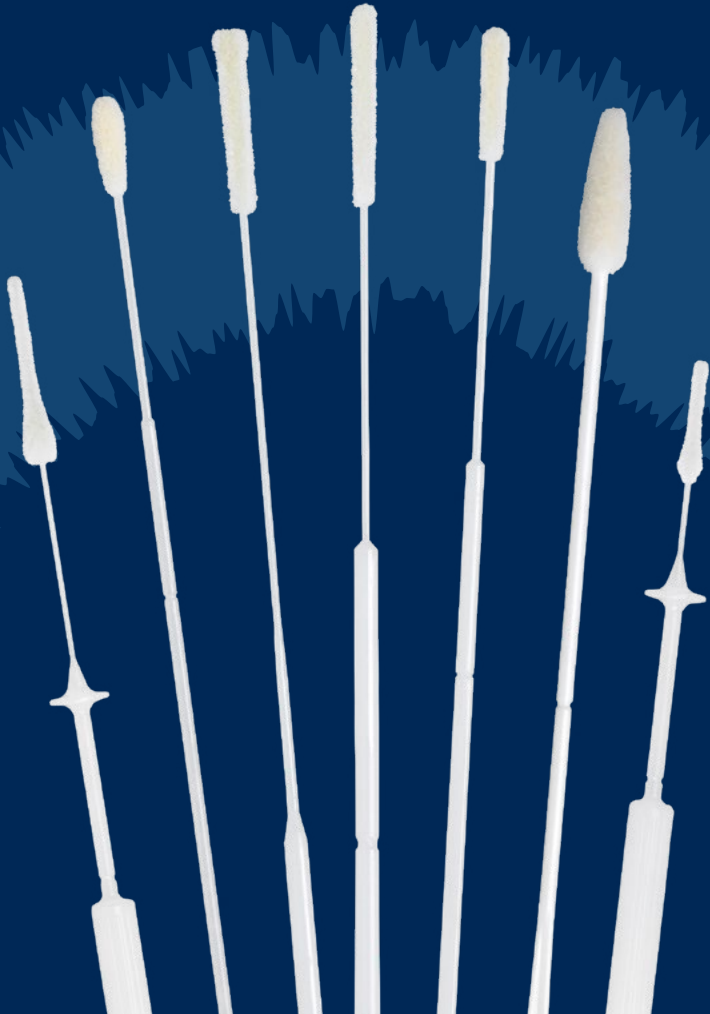


Better Specimen Collection
Better Diagnostics

Patented Original Technology
for Optimal Sample Collection
and Diagnostics

FLOQSWAB®

A molded plastic applicator shaft with tip (in
varying dimensions) coated with Nylon®
fibers, creating a thin absorbent layer allowing
for quick sample uptake and elution of more
than 90% of the sample.¹



THE HISTORY OF SWAB COLLECTION AND TRANSPORT



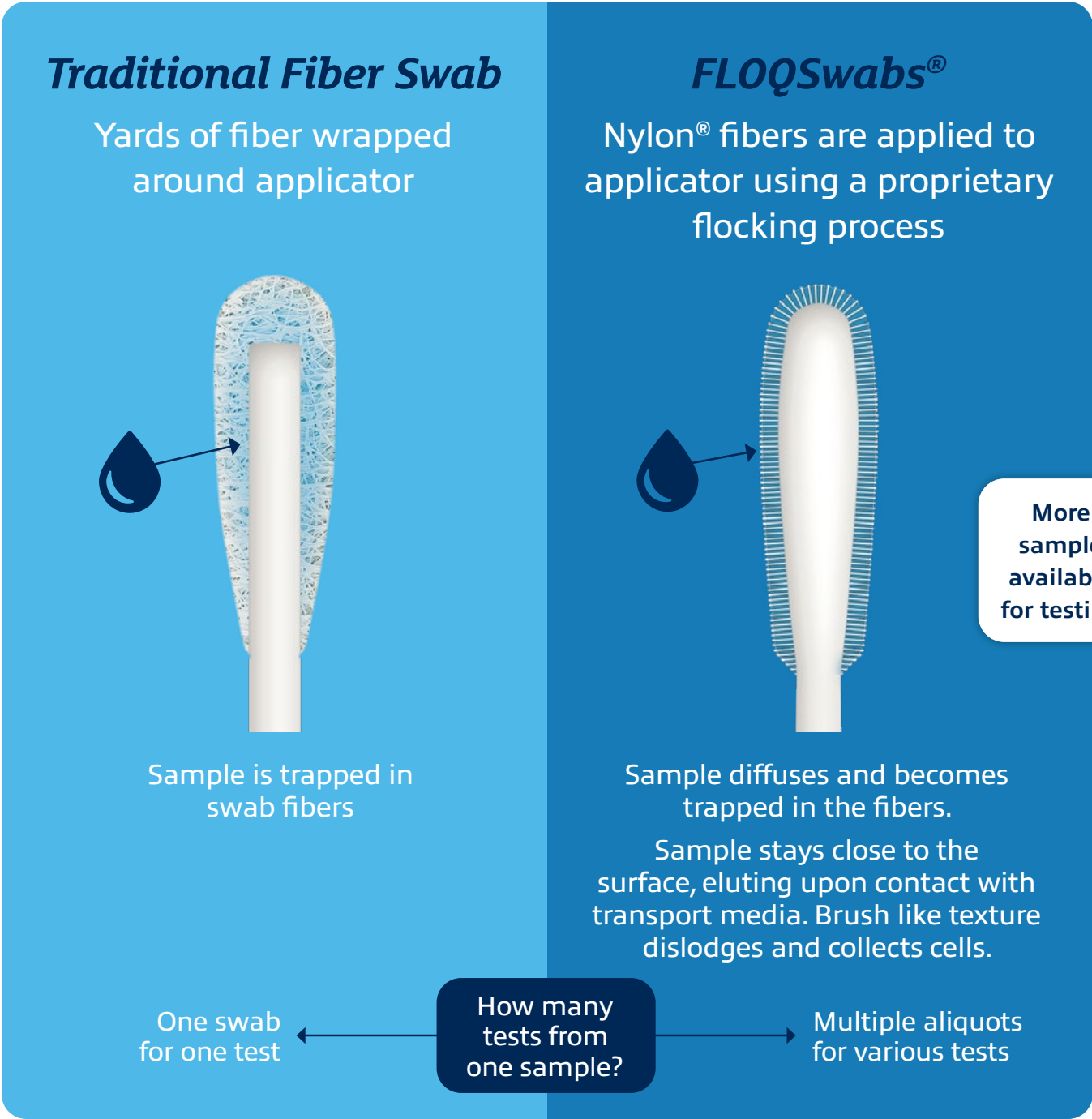
Bacteriology transport systems date back to 1940, with the invention of Stuart transport medium, however 60 years would pass before the first international published standard for Microbiological transport systems was established.



The CLSI (NCCLS) M40-A created a new performance challenge for transport devices and ignited Copan’s devotion to quality and pre-analytical innovation. In 2003, flocked swabs (branded FLOQSwabs®) were invented by Copan, paving the way for Liquid Based Microbiology (LBM) and a new era of specimen collection, transport and processing in Clinical Microbiology.



Why Flocked?



Patent Information
US 8,317,728 8,114,027 8,979,784 9,011,358 13/657,949 16/448,398 9,173,779 14/448398 10,327,741 | EP1608268 | JP4579902 | AU2004226798 | CA2,515,205 | NZ541560 | SG170654 | CNZL200610099310.9

A Liquid Solution

For Microbiology Samples

DEVELOPED BY COPAN IN 2006, Liquid Based Microbiology (LBM) combines state-of-the-art flocked swabs with media – transforming challenging samples into easy to process, multi-purpose liquid samples.

The LBM line includes collection, transport and processing systems for Clinical Microbiology samples.



SWABS



FECES



SPUTUM



URINE



Learn More

Learn More

Learn More

Learn More



Better Diagnostics

FLOQSwabs® paired with a liquid based system give way to quantitative, measurable and consistent sample transfer. Evidence-based research shows that samples collected using FLOQSwabs® improve test sensitivity, eluting more than 90% of the specimen.¹



Reduce Costs

A broad range of testing applications eliminates costs associated with stocking and management of numerous collection devices.²



Patient Comfort

Clinicians report better patient comfort due to ergonomic, anatomic swab design and softer texture. Additionally, because one sample can be used for multiple tests, fewer samples are collected from the patient.^{2,3}



Automation Ready

Liquid Based Microbiology systems are easily processed on automated specimen processors and liquid handling pipetting systems, minimizing manual handling.²

Change Management



Ready to make the switch to better Microbiology, improved patient care and laboratory cost savings? Copan provides hands-on expertise to facilitate new product implementation. We are available to guide you with training, verification guidance, and more!



Evidence based, improved pathogen recovery, expanded testing capabilities, and better patient care

Patented Liquid Based Collection and Transport System for Microbiology Swab Samples

eSwab® is a collection and transport system FDA cleared for aerobic, anaerobic and fastidious bacteria, maintaining viability for up to 48 hours at room or refrigerator temperature (*N. gonorrhoeae* survival 24 hours per CLSI standard).⁴



Swabs



Improved pathogen recovery for traditional bacteriology culture⁵⁻⁷



Swab samples are easily processed on automated specimen processors, and automatic pipettors minimizing manual handling and maximizing investment in automation



Homogeneous sample for more consistent and precise Gram stains⁸



Validated for molecular and rapid antigen testing on many manufacturers' platforms*⁹⁻¹²

Innovative eSwab® system elutes over 90% of patient specimen into the Liquid Amies transport medium. Multiple investigations can be performed from the same sample:



Multiple culture plates^{9, 12-14}



Automation¹⁵



Gram stains⁸



Rapid antigen tests*^{9, 11, 12}



Molecular testing*^{9, 11, 12}

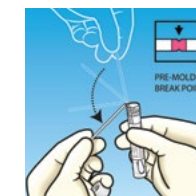


eSwab® Collection - Quick Guide



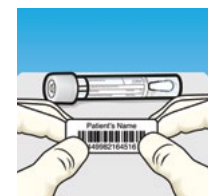
COLLECT

- Collect the patient sample using the swab. Avoid touching the swab applicator below the pink molded breakpoint.



SNAP

- Remove cap and insert the swab to the bottom of the tube.
- Holding the tube away from face, grasp the end of swab shaft and bend to break at the pink breakpoint.
- Screw the cap on tightly to prevent leakage.



SEND

- Identify tube with patient information and send to laboratory.

* Always read the manufacturer's package insert for specific instructions regarding specimen collection and transport for the type of test kit being used.

Specimen collection should be performed by health care personnel who have completed training and demonstrated competency. Always read the manufacturer's package insert for specific instruction regarding specimen collection and transport for the type of test kit being used.



Simplify and standardize fecal sample collection, transport and processing, converting fecal matter into liquid samples

Patented Sample Collection and Preservation System for Enteric Bacteria

FecalSwab™ is a collection and transport system FDA cleared for enteric pathogen recovery using traditional bacteriology culture.¹⁶⁻¹⁷

The system is also compatible with enteric molecular assays for bacteria, viruses and parasites where package inserts indicate Cary-Blair systems for sample collection.*^{9, 11, 12}



Stool



Smaller sample quantity, eliminating the need to vent container, preventing messy accidents during processing



Compact alternative for space efficient transport compared with traditional bulky fecal containers



Stool samples are easily processed on automated specimen processors, and automatic pipettors minimizing manual handling and mess and maximizing investment in automation

* Always read the manufacturer's package insert for specific instructions regarding specimen collection and transport for the type of test kit being used.

FECALSWAB™ SYSTEM FOR RECTAL COLLECTION

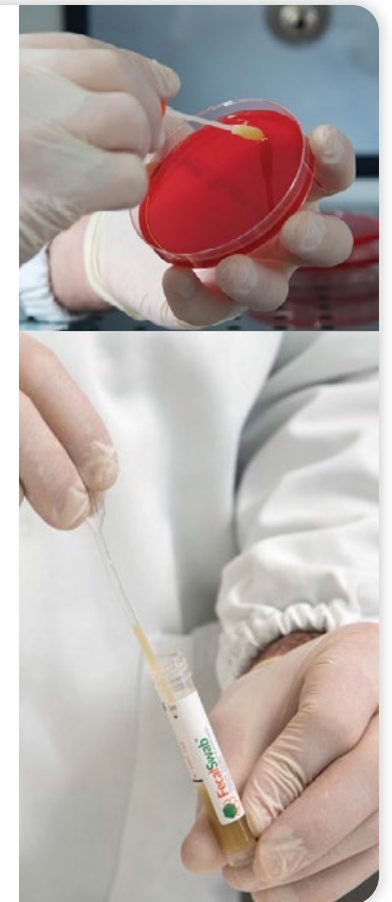


Speed time to treatment by collecting a sample immediately, without having to wait for the patient to submit a fecal specimen²²⁻²⁴



Pediatric sample collection is simplified using the rectal swab rather than feces taken from diapers, which contain material that may cause interference in some tests²⁵

Available with intuitive stopper anatomically designed to ensure the swab tip reaches the transition zone of the rectum for standardized rectal swab sample collection

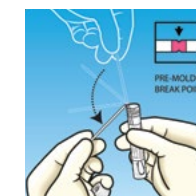


FecalSwab™ Collection - Quick Guide



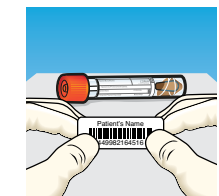
COLLECT

- Collect a small amount of sample by rotating swab tip to cover it with feces. Avoid touching the swab applicator below the pink molded breakpoint. Bloody, slimy or watery areas should be selected when present.
Rectal swab samples may also be used (refer to assay package insert and institution SOP).



SNAP

- Remove cap from the tube and insert the swab to the bottom of the tube.
- Mash and mix stool specimen against the side of the tube to disperse.
- Holding the tube away from face, grasp the end of swab shaft and bend to break at the pink breakpoint.
- Screw the cap on tightly to prevent leakage.



SEND

- Identify tube with patient information and send to laboratory.

Specimen collection should be performed by health care personnel who have completed training and demonstrated competency. Always read the manufacturer's package insert for specific instruction regarding specimen collection and transport for the type of test kit being used.



Save cost and avoid reagent waste when liquifying sputum

Sputum Liquefying System

SnotBuster™ is a mucolytic agent validated for liquefying sputum samples prior to culturing for the isolation of bacteria and fungi, without affecting morphology, growth or microscopic staining, and appearance of pathogens.²⁶⁻²⁹

Easily transfer sputum samples using Copan invented Sputum Dipper™, a unique drill-shaped tool for managing challenging sputum samples.



Sputum



Sputum samples are easily managed on automated specimen processors, minimizing manual handling and maximizing investment in automation^{27, 29}



Tubes of reagent are ready to mix with sputum sample with no need for re-hydration of powder or dilution of liquid concentrate²⁶

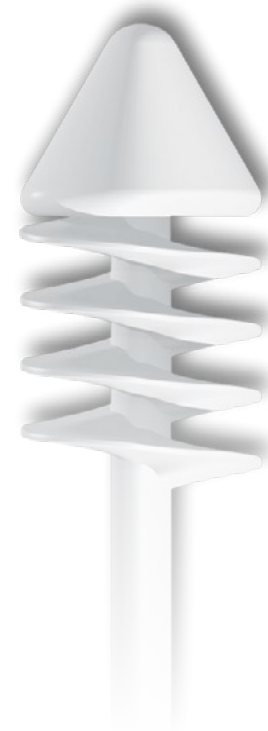


SL Solution allows for easier more consistent and reproducible specimen planting and streaking^{26,29}



Minimize reagent waste and save cost by avoiding large batch mixing

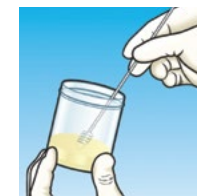
UNIQUE SPUTUM DIPPER FOR SIMPLIFIED SAMPLE PROCESSING



Simplify handling of challenging sputum specimens using the efficient Sputum Dipper™ tool to transfer both fluid and viscous samples

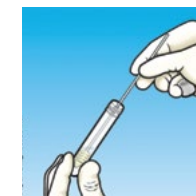


SnotBuster™ Processing - Quick Guide



TRANSFER

- Transfer specimen from patient container by rotating the dipper to cover with sputum.



SNAP

- Remove cap and insert the dipper to the bottom of the tube.
- Holding the tube away from face, grasp the dipper shaft to break at the breakpoint.
- Screw the cap on tightly to prevent leakage.



PROCESS

- Vortex for 30 seconds and leave at ambient temperature for at least 15 minutes (not to exceed 6 hours).
- Mix by vortexing for an additional 3 seconds.

Always read the manufacturer's package insert for specific instruction regarding specimen collection and transport for the type of test kit being used.



For urine collection, transport and preservation

Seamless Integration for High-Volume Urine Processing

Copan's UriSponge® is an FDA-cleared, innovative urine specimen collection, transport, and preservation system designed to streamline laboratory workflow. By combining a user-friendly dip-and-close method with a unique boric acid-free preservative formulation, UriSponge® simplifies the collection process, and maintains specimen integrity minimizing risk of specimen rejection. The system preserves bacterial and yeast load for up to 48 hours at both room and refrigerated temperatures, supporting accurate detection and cultivation of uropathogenic organisms. Ideal for standard clinical laboratory procedures, UriSponge® offers a dependable solution for efficient specimen handling from collection to analysis.



Urine



Simply dip into the sample cup, close, and send for analysis.



Reduces expenses and waste by eliminating additional consumables and simplifying collection with a quick dip-and-close method —no need for transfer devices or mixing.



Maintains correct urine-to-preservative ratio, reducing bacterial overgrowth and minimizing specimen rejection.



Standardized tubes designed for automatic specimen processors.

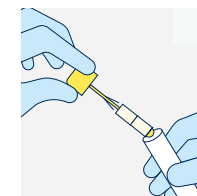
FOR URINE COLLECTION, TRANSPORT AND PRESERVATION



UriSponge® features a screw-cap tube with a plastic applicator and dual cylindrical sponges, simplifying urine collection. The sponges are loaded with preservatives, that upon contact with urine maintain sample stability throughout transport.



UriSponge® Collection - Quick Guide



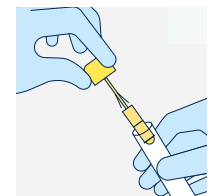
PREPARE

- Unscrew cap and remove UriSponge® applicator.



COLLECT

- Dip applicator sponge into the urine sample for 5 sec.



PROCESS

- Return applicator to tube, label and send to laboratory.



Liquid Based Microbiology Opens the Door
for Automated Specimen Processing



Converting Microbiology samples to a liquid format in standardized tubes allows laboratories to enjoy maximum utility from WASP® automated specimen processor.

Full Laboratory Automation



Copan's full laboratory automation line is a modular, scalable, and customizable solution for automated specimen processing and full specimen management, automated incubation and Digital Microbiology

CONTACT COPAN TODAY to streamline and standardize your specimen collection and to learn more about automation in Clinical Microbiology.

Ordering Information



eSwab® combines a Copan invented flocked swab with 1 mL of Liquid Amies in a plastic Self standing tube. The innovative system elutes over 90% of patient specimen into the liquid medium.


Cat. No.	Product Description	Packaging
	ESWAB® SINGLE SWAB KIT	
480C	12x80mm tube with white capture cap filled with 1mL Liquid Amies Transport Medium + 1 Regular Size Flocked Swab with 80mm Breakpoint	50/Pack; 10 Packs/Case
481C	12x80mm tube with green capture cap filled with 1mL Liquid Amies Transport Medium + 1 Minitip Size Flocked Swab with 80mm Breakpoint	50/Pack; 10 Packs/Case
482C	12x80mm tube with blue non-capture cap filled with 1mL Liquid Amies Transport Medium + 1 Flexible Minitip Size Flocked Swab with 100mm Breakpoint	50/Pack; 10 Packs/Case

More configurations available. Please visit our website or contact your Copan representative for complete list.



FecalSwab™ combines a Copan invented flocked swab with 2 mL of Cary-Blair medium in a plastic Self standing tube with orange capture cap.

Cat. No.	Product Description	Packaging
4C024S	12x80mm tube filled with 2 mL Cary-Blair Medium + 1 Regular Size Nylon® Flocked Swab with 80 mm Breakpoint	50/Pack; 10 Packs/Case
4C028S	12x80mm tube filled with 2 mL Cary-Blair Medium + 1 Regular Size Nylon® Flocked Swab with 80 mm Breakpoint and Swab Stopper	50/Pack; 10 Packs/Case



The **SnotBuster™** (also known as **SLSolution™**) system combines the Copan invented Sputum Dipper™ with a ready to use mucolytic agent in a vacuum sealed plastic tube with capture cap.

Cat. No.	Product Description	Packaging
	SNOTBUSTER™ KIT	
0U020N.A	1 mL SnotBuster™ (SLSolution™) in PET Tube + Sputum Dipper™ Transfer Device	50/box, 300/case
	SNOTBUSTER™ BULK MEDIA	
0U019N	1 mL SnotBuster™ (SLSolution™) in PET Tube	50/box, 300/case
	SNOTBUSTER™ BULK TRANSFER DEVICE	
2U063S01	Sputum Dipper™ Transfer Device, Individually Packaged	100/box, 1000/case



UriSponge® combines a user-friendly dip-and-close method with a unique boric acid-free preservative formulation. Its design simplifies the collection process and maintains specimen integrity minimizing risk of specimen rejection.

Cat. No.	Product Description	Packaging
8U033S50	UriSponge® in 12x80 mm tube	300 pieces (6 boxes of 50 pieces)
	UriSponge® in 16x100 mm tube	300 pieces (6 boxes of 50 pieces)

COPAN LIQUID BASED MICROBIOLOGY PRODUCTS are sold through our valued distribution partners. Please contact your Copan representative or your preferred vendor for pricing and further ordering details.

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Copan Diagnostics, Inc.

26055 Jefferson Avenue | Murrieta, CA 92562 USA