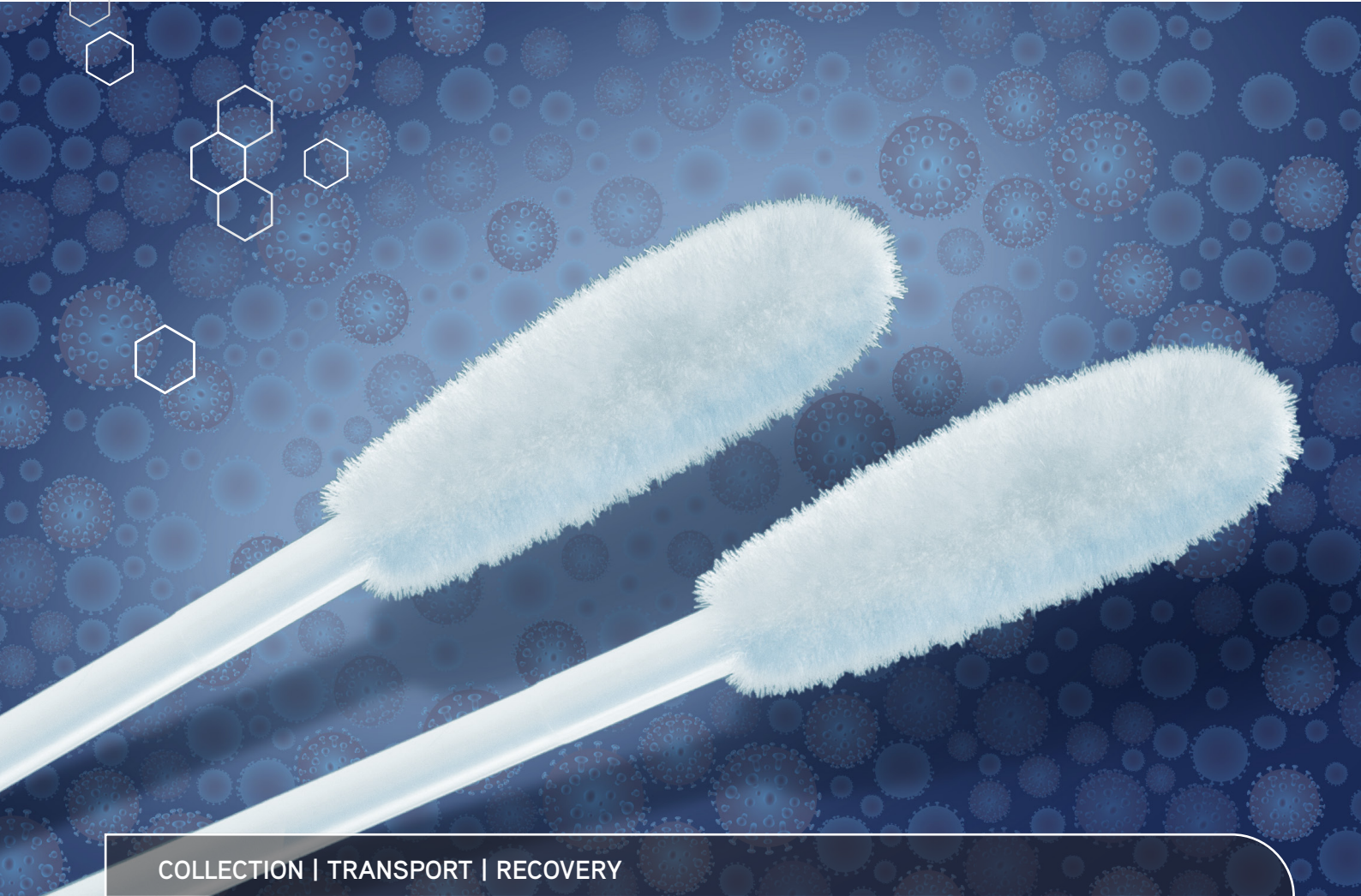


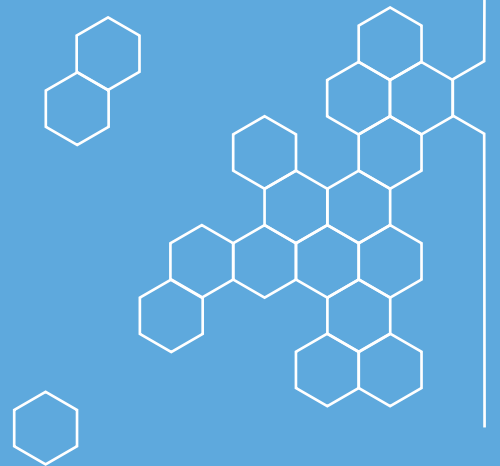
**FLOQSwabs™**



COLLECTION | TRANSPORT | RECOVERY

**FLOQSwabs™**

OPTIMAL SAMPLE COLLECTION  
AND DIAGNOSTICS



Innovating Together™

[copangroup.com](http://copangroup.com)



FLOQSwabs™: optimal diagnostics begin with better samples and better samples are obtained by using proper sample collection methods. Copan has designed and developed anatomically<sup>1</sup> shaped FLOQSwabs™ that optimize the efficiency of the target analyte collection with improved patient comfort<sup>5</sup>.

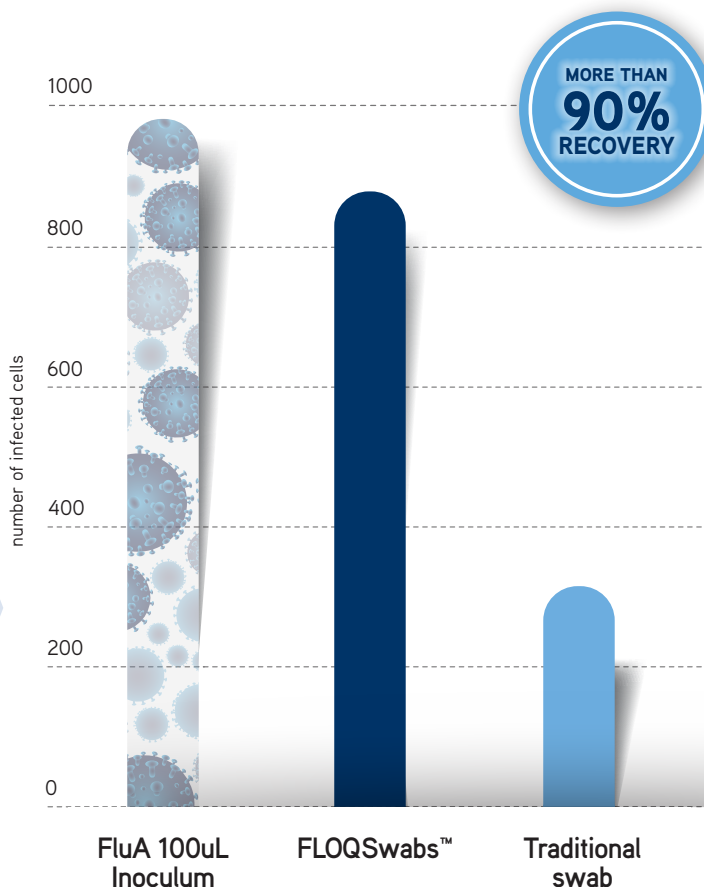
Copan's patient-oriented research and FLOQSwabs™ patented technology resulted in anatomically and ergonomically designed collection systems that optimize sample uptake and yield.



## ➤ OPTIMAL SAMPLE COLLECTION AND RELEASE

Copan FLOQSwabs™ use short fiber strands which create a thin absorbent layer allows to rapidly and efficiently absorb the target sample and dislodge cells. The entire sample stays close to the surface for fast and complete elution, thus providing high sample yield of more than 90% of the collected sample.

The graph compares the percentage Recovery of Influenza A infected cells from a FLOQSwab™ versus a traditional swab (Rayon fiber tip), both spiked with 100uL inoculum of infected cells. Above data show that FLOQSwabs™ provide more than 90% recovery<sup>2</sup> of the original 100uL inoculum versus no more than 40% recovery from a Traditional swab.





## › IMPROVED ASSAY SENSITIVITY

- › FLOQSwabs™ MEASURABLE AND CONSISTENT uptake and transfer from patient provides a quantitative measurement, which can **improve the sensitivity<sup>3</sup>** of diagnostic tests and **quality of diagnostics**.
- › CUSTOM DESIGN OF FLOQSwabs™ to optimize assay sensitivity, specificity, intuitive and simplified swab processing are also available **upon request**.



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## › PATIENT FRIENDLY



### › ERGONOMIC AND ANATOMIC DESIGNS

FLOQSwabs™ are **safe, easy** and well tolerated collection devices and may offer a valid alternative to invasive, painful and costly collection procedures<sup>4</sup>.

### › SOFT AND VELOUR

FLOQSwabs™ that gently collects the sample improves patient **comfort<sup>5</sup>**. COPAN has developed a dedicated product line specifically designed and intended for self-collection procedures<sup>6</sup>.

## › DRY TRANSPORT OR LBM™ RAPID ELUTION INTO LIQUID PHASE

FLOQSwabs™ are **available** in different product formats: for **dry transport** or associated with a **liquid medium**. LBM™ (Liquid Based Microbiology) is a comprehensive line of collection and preservation systems that incorporates FLOQSwabs™ technology to **collect and elute the sample** in a liquid suspension for **different testing methodology** from the same sample. After collection, FLOQSwabs™ safe and convenient molded break point allows to easily break the swab into a tube.





# FLOQSwabs™

## > DESIGNED FOR MULTIPLE APPLICATIONS AND WORKFLOWS

FLOQSwabs™ are designed for multiple applications and platforms such as, molecular-based assays, rapid testing, bacteriology and virology culture to name a few. Starting from FLOQSwabs™ technology, Copan has developed additional product lines dedicated to specific applications.



### GENETICS

hDNAFLOQSwabs™ are certified Free from amplifiable Human DNA, DNase and RNase, are ideal for DNA collection and transfer.



### LBM™

including eSwab™, UTM™, eNAT™, MSwab™, etc - to provide optimized and tailored pre-analytical solutions for all testing needs and workflow.



### READY TO PROCESS

LBM provides a ready-to-process solution, directly from the primary tube, WASP™ (Walk-away specimen processor) and Molecular Platforms.

## ORDERING INFORMATION

Please contact [info@copangroup.com](mailto:info@copangroup.com) for complete ordering information

<sup>1</sup> Evaluation of Anatomically Designed Flocked Rectal Swabs for Molecular Detection of Enteric Pathogens in Children Admitted to Hospital with Severe Gastroenteritis in Botswana, Goldfarb DM, Steenhoff AP, Pernica JM, et al., Journal of Clinical Microbiology, 2014

<sup>2</sup> Testing performed by direct immunofluorescence. Copan internal data.

<sup>3</sup> Improved detection of respiratory viruses in pediatric outpatients with acute respiratory illness by Real-Time PCR using nasopharyngeal Flocked swabs, Patrick Kiiro Munywoki, Fauzat Hamid, Martin Mutunga, Steve Welch, Patricia Cane and D. James Nokes, Journal of Clinical Microbiology, 2011

<sup>4</sup> Comparison of nasopharyngeal flocked swabs and nasopharyngeal wash collection methods for respiratory virus detection in hospitalized children using real-time polymerase chain reaction,Carolynn DeByle, Lisa Bulkow, Karen Miernyk, Lori Chikoyak, Kimberlee Boyd Hummel, Thomas Hennessy, Rosalyn Singleton, Journal of Virological Methods, 2012.

<sup>5</sup> Collection by trained pediatricians or parents of mid-turbinate nasal flocked swabs for the detection of influenza viruses in childhood, Susanna Esposito, Claudio G Molteni, Cristina Daleno, Antonia Valzano, Claudia Tagliabue, Carlotta Galeone, Gregorio Milani, Emilio Fossali, Paola Marchisio and Nicola Principi, Virology Journal, 2010.

<sup>6</sup> Feasibility of unsupervised self-sampling for population-based HPV prevalence studies, Patricia Goggin, François Coutlée, France Lavoie, Chantal Sauvageau, Vladimir Gilca, Ève Dubé, Geneviève Deceuninck, The 26th International Papillomavirus Conference and Clinical Workshop, Montreal, 2010.



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