



 4N6 FLOQSwabs®

SAMPLE COLLECTION AND PRESERVATION
FOR HUMAN IDENTIFICATION



A successful forensic case begins with better samples and better samples are obtained by using proper collection methods. Copan has **designed** and **developed 4N6FLOQSwabs®** that optimize the **efficiency** of the target collection. **4N6FLOQSwabs®** represent a breakthrough to guarantee that **even minute amounts of DNA can be collected and remain available for testing.**



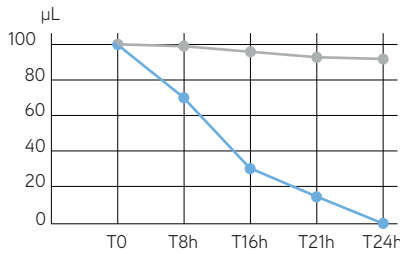
GENETICS DNA COLLECTION

4N6FLOQSwabs® is a complete line of Copan patented FLOQSwabs® specifically designed and dedicated to DNA collection for forensic purposes. Products with Active Drying System absorb water molecules and dry out the collected sample to **guarantee a stable DNA at RT for 12+ months.**



DRYING TIME OF 100µL SALIVA

- 4N6FLOQSwabs® W/O active drying
- 4N6FLOQSwabs® W active drying with swabs placed back in their tubes



4N6FLOQSwabs® Genetics: DNA preservation/saliva samples

TIME POINT	Saliva Data		
	ng DNA/swab	degradation index	STR profile
time zero	1.70	0.72	complete 3/3
time 4 months RT	1.12	0.66	complete 3/3
time 6 months RT	0.99	0.68	complete 3/3
time 12 months RT	0.95	0.71	complete 3/3

APPLICATIONS

- Sexual Assault
- Forensic Genetics
- Paternity Tests
- Research Genotyping
- Evidence Collection
- Others

A separate product line for diagnostic applications is available



**ISO 18385:2016
COMPLIANT**



EO TREATMENT:
Dedicated Ethylene Oxide treatment for all forensic products

STUDIES

EXPLORE THE SCIENTIFIC
BASE OF OUR PRODUCTS



OPTIMAL
SAMPLE
COLLECTION
AND RELEASE

20 MM
BREAKING
POINT

IMPROVE
ASSAYS
SENSITIVITY



4N6 FLOQSwabs
Crime Scene

CRIME SCENE
DNA COLLECTION

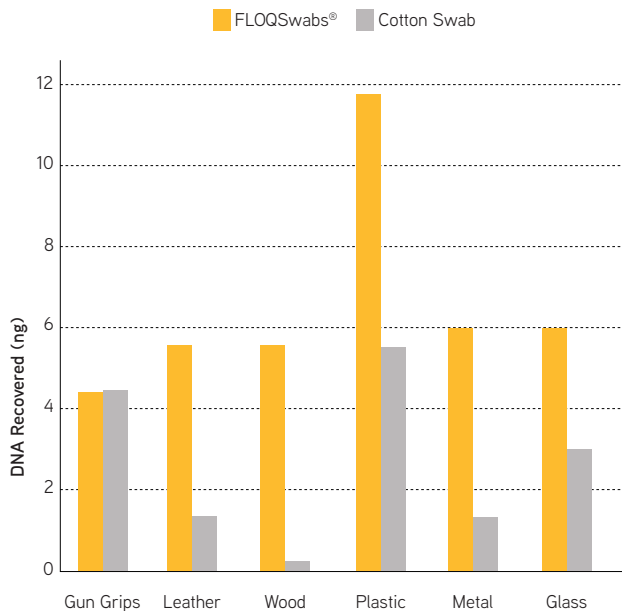
Evidence collection devices for crime scenes with antimicrobial treatment to minimize environmental contamination (not for use on living humans).

Suitable for all traces: sweat, semen, blood stains, skin and any environmental traces found at a crime scene.



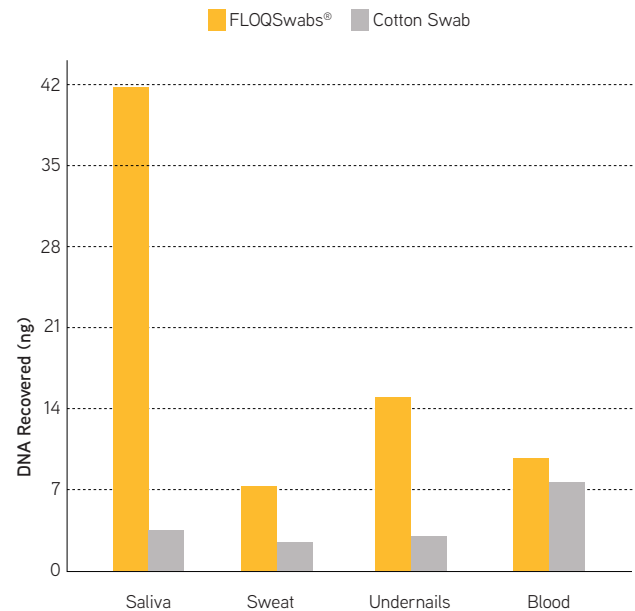
FLOQSwabs® VS Cotton Swabs with PrepFiler®

Blood sample



FLOQSwabs® VS Cotton Swabs with QIAamp® DNA Blood Mini Kit

Different substrates



hDNAFree:

Free of amplifiable human DNA, detectable and amplifiable DNase and RNase



STRINGENT CONTROLS

and automated manufacturing processes

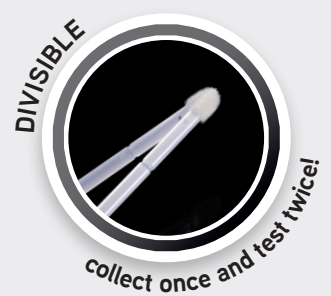


PROFILED WORKERS DATABASE:

Databasing of any worker involved in production and quality control

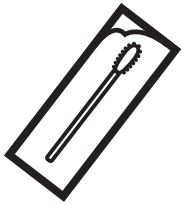
DIFFERENT SHAPES FOR DIFFERENT COLLECTION

4N6FLOQSwabs® are available with **ergonomic geometries** in order to ensure that the maximum amount of sample can be collected also from the most challenging surfaces.



FORMATS

4N6FLOQSwabs® are available in different product formats.



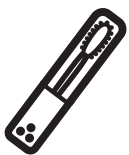
IN POUCH

4N6FLOQSwabs® with moulded breakpoint are available in a convenient peelpouch format.



IN DRY TUBE

The plastic tube guarantees the swab integrity and avoids risks of sample contamination during transport.



IN TUBE WITH ACTIVE DRYING SYSTEM

This system ensures the sample drying in the tube and therefore prevents microbial growth.



CUSTOM SOLUTIONS

Copan offers a variety of customization and engineering services in order to manage: identification and traceability, chain-of-custody, packaging specific requirements, etc.



COMPATIBLE WITH NAO® BASKET

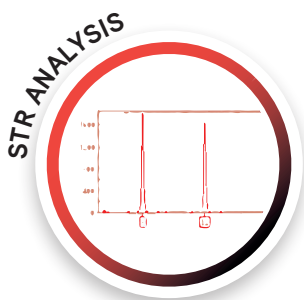
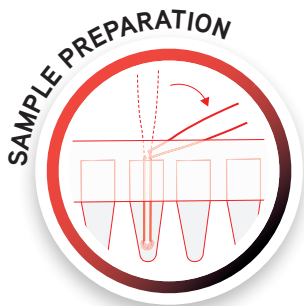
The NAO®Basket (Nucleic Acid Optimizer) is a fast and highly efficient system for releasing and concentrating all human DNA from swab samples, card punches or other specimens.





RAPID DNA testing made portable

microFLOQ® is an innovative DNA collection tool co-developed* by French Gendarmerie Forensic Research Institute (IRCGN™) and COPAN which enables to obtain a 24 DNA markers profile in less than 2 hours**



PLUS FEATURES

- > **RAPID** time to result in less than 2 hours for direct sampling or subsampling
- > **ON SITE** quick DNA testing directly on the scene
- > **LYSING TREATMENT** applied on the fibers for direct DNA amplification
- > **BREAKING POINT** easy to process with standard 96-well PCR microplates
- > **SENSITIVE & COST EFFECTIVE** no extraction step needed, all the DNA collected can be directly amplified



APPLICATIONS



DVI
disaster victim identification



CRIME SCENE
evidence collection

ISO 18385:2016 COMPLIANT





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