SAMPLE COLLECTION AND PRESERVATION
FOR HUMAN IDENTIFICATION

copangroup.com
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.

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.

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.

4N6FLOQSwabs® Genetics:
DNA preservation/saliva samples

<table>
<thead>
<tr>
<th>TIME POINT</th>
<th>4N6FLOQSwabs® W/O active drying</th>
<th>4N6FLOQSwabs® W active drying with swabs placed back in their tubes</th>
</tr>
</thead>
<tbody>
<tr>
<td>time zero</td>
<td>1.70</td>
<td>0.72</td>
</tr>
<tr>
<td>time 4 months RT</td>
<td>0.52</td>
<td>0.66</td>
</tr>
<tr>
<td>time 6 months RT</td>
<td>0.49</td>
<td>0.68</td>
</tr>
<tr>
<td>time 12 months RT</td>
<td>0.35</td>
<td>0.71</td>
</tr>
</tbody>
</table>

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

A separate product line for diagnostic applications is available.

**ED TREATMENT:**
Dedicated Ethylene Oxide treatment for all forensic products

**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

*patent pending deposited by IRCGN™  |  **time to results depends on the DNA amplification kit used
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