FLOQSwabs™ have no internal mattress core to disperse and entrap the precious sample like traditional fiber wound swabs. In stark contrast, the entire sample stays close to the surface for fast and complete elution.

Perpendicular Nylon Fibers act like a soft brush and allow improved collection of cell samples. Capillary action between the flocked fibers facilitates strong hydraulic uptake of liquid samples. Sample stays close to the surface allowing easier elution.

How Flocked Swabs Work
Scientific studies show that FLOQSwabs™ by Copan significantly improve quantity of sample collected and sample released into various culture and assay systems improving the quality of diagnostics. In addition to driving the proficiency of the sample collection, FLOQSwabs™ by Copan’s multiple engineered designs and custom swab fabrication program maximize patient comfort.

Strands of Nylon are applied using a unique flocking process

Perpendicular Nylon Fibers

Entire Sample Released
The entire sample is instantaneously and automatically released the moment the flocked swab is mixed with appropriate reagents or placed in a buffer solution or transport medium.

Ergonomic and Anatomic Design
For improved patient comfort and efficiency in specimen collection

Sample Collection using Flocked Swab Technology
Better diagnostics begin with better samples, and better samples are obtained by using proper sample collection methods. FLOQSwabs™ by Copan are used in a wide variety of applications. A common use of flocked swabs is for nasopharyngeal sample collection.

Nasopharyngeal sample collection
Step 1: Insert the flocked swab into the nasal passage with a slight resistance to firm.
Step 2: Rotate the swab two to three times and hold the swab in place for 5 seconds to ensure maximum absorbency. Strong capillary hydraulic between the swabs and primary nasal mucosal liquid sample collection.
Step 3: Put the swab in the transport medium and break the shaft at the painted breakpoint. Sample elutes automatically and rapidly because it is held very close to the surface in a totally open structure. This does not hinder the flow dynamics, so the entire sample is released.

Cells are easily collected between the fibers

Quantitative Volume Transfer
Measurable and consistent uptake and transfer from patient to test tube

Ergonomic and Anatomic Design
For improved patient comfort and efficiency in specimen collection

Entire Sample Released
The entire sample is instantaneously and automatically released the moment the flocked swab is mixed with appropriate reagents or placed in a buffer solution or transport medium.

Rapid Automatic Elution
Instant and spontaneous release into liquid media

Improved Sample Collection
Velvet brush-like texture rapidly and efficiently dislodges cells and collects liquid by capillarity

Better Sample Collection
Liquids secretions are rapidly absorbed between the perpendicular fibers by capillary action.

Entire Sample Released
The entire sample is instantaneously and automatically released the moment the flocked swab is mixed with appropriate reagents or placed in a buffer solution or transport medium.

Improved Sample Collection
Velvet brush-like texture rapidly and efficiently dislodges cells and collects liquid by capillarity

**New!** Nylon flocked swab

Traditional Fiber Swab comprising fiber wad

NEW FLOQSwabs™ have no inside traditional Fiber Swab


Perpendicular Nylon Fibers

Ergonomic and Anatomic Design
For improved patient comfort and efficiency in specimen collection

Rapid Automatic Elution
Instant and spontaneous release into liquid media

Improved Sample Collection
Velvet brush-like texture rapidly and efficiently dislodges cells and collects liquid by capillarity

www.copanusa.com
FLOQSwabs™ by Copan Improve Diagnostics

Samples collected using flocked swabs can be used for various applications and have been shown to improve the sensitivity of various diagnostic tests. Scientific studies have shown that flocked swabs release more cells for Direct Fluorescent Antibody (DFA) testing.*

**Collection of DNA Samples**

FLOQSwabs™ by Copan combined with ESwab provide an innovative platform for collection and delivery of microbiology samples.

**Rapid Direct Testing**

The entire sample is automatically and spontaneously eluted from flocked swabs, improving the amount of target analyte released into direct tests such as lateral flow immunochromatographic assays.

**Collection and delivery of bacteriology samples**

FLOQSwabs™ by Copan combined with ESwab provide an innovative platform for collection and delivery of microbiology samples.

**Revolutionary Liquid Based Transport for Microbiology**

Copan UTM used with FLOQSwabs™ “in the optimum combination for virology culture and DFA testing. FLOQSwabs™ combined with Copan UTM provide a universal open platform collection and transport system that has been successfully used for culture, EIA, PCR and other molecular based assays.

* For more information on ESwab and UTM products, visit www.copanusa.com

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**NYLON FLOCKED DRY SWABS IN PEEL POUCH - INDIVIDUALLY WRAPPED**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Breakpoint Distance</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>519CS01.US</td>
<td>Regular flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>502CS01.US</td>
<td>Regular flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>518CS01.US</td>
<td>Minitip flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>501CS01.US</td>
<td>Minitip flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>503CS01.US</td>
<td>Flexible minitip flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>516CS01.US</td>
<td>Ultra minitip flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>525CS01.US</td>
<td>Ultra-thin flocked swab, nylon tip, plastic applicator, sterile, individually wrapped</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>509CS01.US</td>
<td>Endocervical flocked swab, nylon brush tip, sterile, molded breakpoint at 80 mm individually wrapped</td>
<td>80 mm</td>
<td>10 x 50 pcs</td>
</tr>
<tr>
<td>56380CS01.US</td>
<td>Contoured flocked swab</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>56780CS01.US</td>
<td>Contoured flocked swab</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>56750CS01.US</td>
<td>Contoured flocked swab</td>
<td>50 mm</td>
<td>10 x 100 pcs</td>
</tr>
</tbody>
</table>

**NYLON FLOCKED DRY SWABS IN TUBE**

<table>
<thead>
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<th>Cat. No.</th>
<th>Description</th>
<th>Breakpoint Distance</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>519C.US</td>
<td>Regular flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>552C.US</td>
<td>Regular flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>518C.US</td>
<td>Minitip flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>551C.US</td>
<td>Minitip flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>553C.US</td>
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<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>516C.US</td>
<td>Ultra minitip flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>100 mm</td>
<td>10 x 100 pcs</td>
</tr>
<tr>
<td>560C.US</td>
<td>Ultra-thin flocked swab, nylon tip, plastic applicator, sterile in dry tube</td>
<td>80 mm</td>
<td>10 x 100 pcs</td>
</tr>
</tbody>
</table>

**FLOQSwabs™ are certified Diisel, RNase-Free and Human DNA-Free making them ideal for collection & transfer of minute amounts of DNA**

* Data on file at Copan Diagnostics Inc.