

ADVANCED SWAB TRANSPORT SYSTEM FOR MICROBIOLOGY





NEW STANDARD FOR MICROBIOLOGY SWABS

Manufacturer and product conform to highest medical device classification: **Class IIa - Surgically Invasive Transient Use**



Quality, safety and performance is guaranteed, even in the most critical of situations. **Class IIa** means swabs can be used for sampling body surfaces, body orifices e.g. nose, throat and vagina and deep invasive surgical wounds.

100% traceability -



Lot number, expiry date and product description clearly printed on the outside of every swab pack and on every tube. Every unit of production can be identified. Important for quality control, facilitates efficient product recall and correct stock rotation within prescribed dating.

Manufacturers must have Certified Quality Management System and comply with new manufacturing standards for medical devices.



Class IIa manufacturers undergo regular inspections and audits by independent government appointed agencies



Necessary requirement for manufacturers to maintain CE mark accreditation.

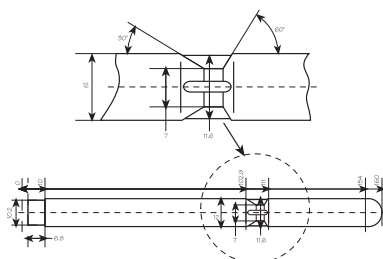
Control of manufacturing environment and level of expertise



Manufacturer required to design and maintain good medical device standard production facility. Must also demonstrate correct technical knowledge, skill and expertise. Qualified design team, engineers and microbiologists on site.

Tough bio-burden controls directly influences manufacturing process

Demands for low bio-burden influences how the product is made. In order to comply manufacturers need high technology and automation to ensure product is made in best possible way to meet bio-burden targets.



ISO 9001:2000 & EC93/42 Annex II Controls all product design

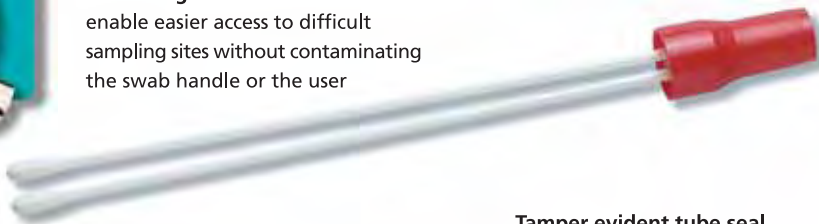
From initial concept through to finished product, the system of design and manufacture must conform to new medical device standards.



ADVANCED PRODUCT DESIGN



Extra long 13.3cms swab shafts
enable easier access to difficult sampling sites without contaminating the swab handle or the user



Low bioburden - all media contain less than 2 non-viable bacterial cells per 10 high power microscopic fields



Soft rayon swab tips
are inert and non-toxic to micro-organisms and patients

Tamper evident tube seal
maintains product integrity and ensures first time use

Extra large size polyurethane foam sponge
soaked with liquid transport medium, stays anchored in place, providing a reservoir of moisture for the swab sample



Smooth round bottomed tubes
avoid jagged or sharp edges associated with crimped end tubes. No risk of puncturing specimen transport bags. Tubes conveniently fit regular test tube racks facilitating safer transport and easy storage

No activation step necessary
no glass ampoules to break or seals to puncture in order to release transport media. Swabs are automatically moistened.

Double action security cap
slides over the neck of the swab tube and tightly grips the inside and outside of the tube



Large 5ml depth of agar gel
so swab is always deeply submerged. Gives maximum protection to fastidious bacteria in the sample



Large pre-attached label
for writing sample information and patient data. Printed in 3 languages - English, Spanish and French

Venturi Hour Glass tube design enhances performance - eliminates undesirable bubbles and breaks in the deep agar gel



Tube made from non-breakable polypropylene to protect both the specimen and medical and technical staff handling samples

As the swab is inserted into the tube, air bubbles and breaks in the agar gel are squeezed out.

COMPLETE RANGE OF LIQUID & AGAR GEL SWABS

Quality Control
Each lot is stringently tested against a diverse selection of ATCC and NCTC control organisms. Certificates of Analysis and data available on request.



Minitip Swabs

ENT, Nasopharyngeal & Urethral swabs with your choice of medium



Amies Stuart & Cary-Blair Medium



VI-PAK

BARRIER OUTER FOIL PACK



50 swabs per foil pack
10 packs per case / 500 swabs

NITROGEN FLUSHED



Barrier Plastic and Barrier Foil!

Ultimate product protection and shelf life stability afforded by Copan's unique combination of barrier plastic film swab pouches and barrier outer foil packs. Creates a closed system maintaining stable optimum performance of medium over it's long shelf life.



Nitrogen Flushed - Active Packaging

The Vi-Pak concept works continually to maintain the vitality of the medium delivering it to the point of care perfect for maintaining all those difficult and demanding microbes. Nitrogen gas inside the foil pack and the individual plastic film swab pouches work synergistically with sodium thioglycollate in the transport medium to create an ideal Eh potential for Neisseria, Haemophilus, Streptococci, and Anaerobes.

Prevents Media Dehydration - Bugs Always Moist

Moisture, provided by the transport medium, is critical for the survival of bacteria in clinical samples. Vi-Pak's unique combination of metallic foil and barrier plastic film stops liquid evaporation and media dehydration. It prevents hard to detect shrinkage and cracking of agar gel medium and ensures that swabs transported in liquid medium are always moist.



No Superoxide or Free Radicals

Combination of nitrogen rich atmosphere, impermeable barrier swab pouches and foil outer packs prevents the formation of free radicals and superoxide in the transport medium. These components, which can be triggered by the sterilization process or exposure of the medium to UV light, are harmful to the survival of bacteria.



Fantastic Stability - Blocks Oxygen Entry

The metallic foil and plastic film block oxygen entry preventing unwanted oxidation of the transport medium. The integrity of the medium and product performance are extremely stable.

Independent Studies

For free copies of independent published studies documenting the survival of aerobic and anaerobic bacteria in Copan swabs, call or email us today.



AGAR GEL TRANSPORT SWABS



**No Glass Ampoules To Break,
No Seals or Barriers To
Puncture. No Dry Swabs!**

**5ml Deep Gel Column, Affords
Maximum Protection,
Improves Sample Viability**

**Unique Venturi Hour Glass Tube Design
Prevents Disintegration or Breakdown
of Gel Column During
Specimen Transport**

**Undesirable Bubbles and Breaks in Gel
Automatically Squeezed Out
As Swab is Inserted**

**Eliminates Air Pockets Harmful
to Fastidious Bacteria**

Centralizes Swab

**Capsulated Environment Seals
and Protects Bacteria.
Optimizes Moisture Control**



NO BUBBLES - NO TROUBLES!

**Stringent QC of Raw Materials and Finished
Product Guarantees Performance and Very Low
Level Non-Viable Bacteria.**



Routine performance tests incorporate a diverse selection of bacteria; *Neisseria gonorrhoeae*, *Streptococcus pyogenes*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Haemophilus influenzae*, *Bordetella pertussis*, *Neisseria meningitidis*, *Escherichia coli*, *Bacteroides fragilis*, *Prevotella melaninogenica*, *Clostridium perfringens*, *Campylobacter jejuni*, *Shigella flexneri* and *Yersinia enterocolitica*.

**Amies medium with or without charcoal
plus Stuart and Cary-Blair medium**

FASTIDIOUS ANAEROBE TRANSPORT SWABS

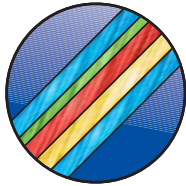


Fastidious anaerobe transport swabs

Range of agar gel culture swabs specifically designed to maintain the viability of anaerobic bacteria in clinical swab specimens during transport to the laboratory.

Packed in unique laminated film

Swabs are sealed inside a new and unique plastic film pouch. The film is composed of 5 different types of plastic material sandwiched together.



Oxygen entry blocked

The plastic film acts like a barrier preventing penetration of atmospheric oxygen. Atmosphere inside the package is stabilized during the products shelf life.



Media Eh always optimum for anaerobes

Reduced Eh potential of agar gel column remains stabilized during product shelf life. Media Eh stays optimal for maintaining viability of fastidious anaerobes.

Nitrogen gassed

During product assembly the tube and swab package are flushed with nitrogen gas to drive out any atmospheric air.



Tamper evident seal - changes color when opened



Package seal immediately changes color from clear to white as soon as pack is peeled open. Provides visual guarantee of first time use, product sterility and integrity.

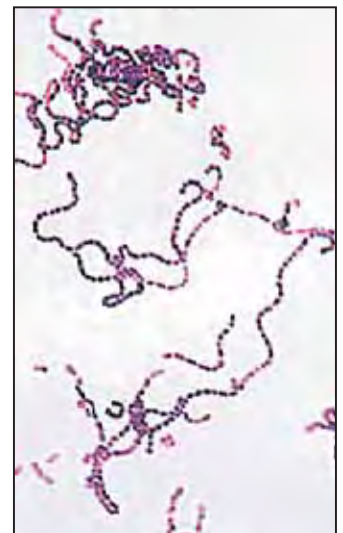
Designed for anaerobes

Large 6cm depth of agar gel ensures that the swab is always deeply submerged in medium. A deep gel column combined with a narrow hour glass tube constriction, to reduce surface area available for oxygen penetration, provides the maximum protection for anaerobic bacteria in the sample.

Performance tested using fastidious anaerobes

Product is routinely tested using a variety of fastidious anaerobes to guarantee performance when used correctly. Test organisms include:

Organism	ATCC#
Fusobacterium nucleatum	25586
Bacteroides levii	29147
Peptostreptococcus anaerobius	27337
Clostridium perfringens	13124
Bacteroides fragilis	25285
Fusobacterium necrophorum	25286
Clostridium difficile	9689
Bacteroides thetaiotaomicron	29741
Bacteroides vulgatus	8482
Propionibacterium acnes	6919
Prevotella melaninogenica	9336
Porphyromonas gingivalis	33277



AMIES AGAR GEL - NO CHARCOAL



108C.USE Single plastic swab - blue cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



134C.USE Double plastic swabs - blue cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



109C.USE Single wooden swab - white cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.

MINI TIP AMIES



Suitable for ear, nose, throat, eye and male urethral swab sampling. The narrow dimension of the swab shafts and small tip provides a more practical device for some pediatric swab sampling.



110C.USE Regular aluminum wire - orange cap 10 x 50 swabs / case
Firm wire ideal design for male urethral sampling.



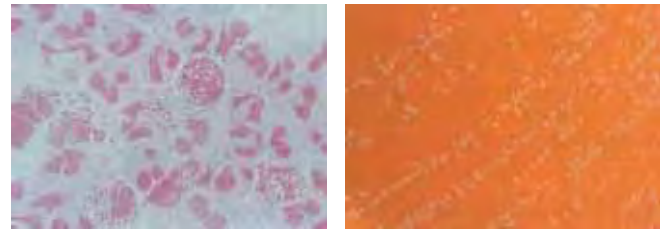
124C.USE Soft aluminum wire - green cap 10 x 50 swabs / case
Soft wire that can be easily bent and pre-shaped.



190C.USE Flexible twisted wire - blue cap 10 x 50 swabs / case
Designed specifically for nasopharyngeal sampling. Very flexible, will bend and yield when in contact with posterior nasopharyngeal wall. Features a safe loop shaped wire tip covered with soft rayon.



Twisted wire shown with and without fiber



AMIES AGAR GEL - WITH CHARCOAL



114C.USE Single plastic swab - black cap 10 x 50 swabs / case
Throat, wound and urogenital specimens.



136C.USE Double plastic swabs - white cap 10 x 50 swabs / case
Throat, wound and urogenital specimens.



115C.USE Single wooden swab - black cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.

MINI TIP AMIES CHARCOAL



Suitable for ear, nose, throat and eye cultures. Also male urethral samples for *Neisseria gonorrhoeae*. The narrow dimension of the swab shafts and small tip provides a more practical device for pediatric swab sampling.



116C.USE Regular aluminum wire - orange cap 10 x 50 swabs / case
Firm wire ideal design for male urethral sampling.



125C.USE Soft aluminum wire - green cap 10 x 50 swabs / case
Soft wire that can be easily bent and pre-shaped.



192C.USE Flexible twisted wire - blue cap 10 x 50 swabs / case
Designed specifically for nasopharyngeal sampling. Recommended for *Bordetella pertussis* investigations. Very flexible, will bend and yield when in contact with posterior nasopharyngeal wall. Features a safe loop shaped wire tip covered with soft rayon.

STUART AGAR GEL MEDIUM



111C.USE Single plastic swab - blue cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



135C.USE Double plastic swabs - blue cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



112C.USE Single wooden swab - white cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



118C.USE Single wooden swab - black cap 10 x 50 swabs / case
Stuart medium with charcoal
Throat, vaginal, wound and skin swabs.

MINI TIP SWAB

Suitable for ear, nose, throat, eye and male urethral swab sampling. The narrow dimension of the swab shafts and small tip provides a more practical device for some pediatric swab sampling.

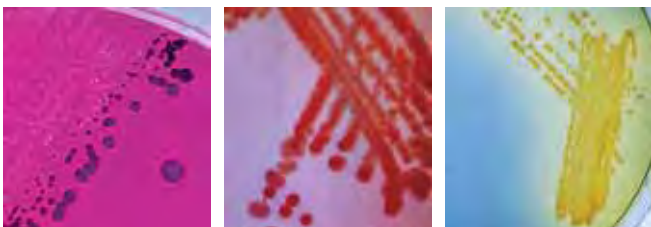


113C.USE Regular aluminium wire - orange cap 10 x 50 swabs / case
Firm wire ideal design for male urethral sampling.

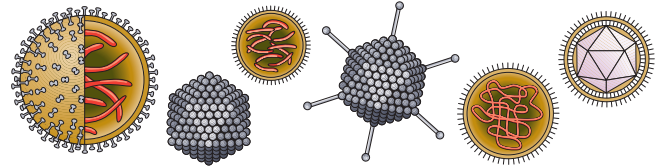
CARY-BLAIR AGAR GEL MEDIUM



132C.USE Single plastic swab - red cap 10 x 50 swabs / case
Rectal or fecal swab samples for enteric pathogens.



VIRUS TRANSPORT SWABS



Liquid virus transport medium is contained into the sponge deposited on the tube bottom.

Very easy to use, this new swab format does not require medium activation.



147C Single plastic swab - pink cap 10 x 25 swabs / case



148C Regular aluminium wire - pink cap 10 x 25 swabs / case



149C Flexible twisted wire - pink cap 10 x 25 swabs / case

CHLAMYDIA TRANSPORT SWABS



Liquid Chlamydia transport medium is contained into the sponge deposited on the tube bottom.

Very easy to use, this new swab format does not require medium activation.



144C Single plastic swab - yellow cap 10 x 25 swabs / case



145C Regular aluminium wire - yellow cap 10 x 25 swabs / case



146C Flexible twisted wire - yellow cap 10 x 25 swabs / case

LIQUID MEDIA TRANSPORT SWABS



**No Glass Ampoules To Break, No
Seals or Barriers To Puncture**

**Swab Immediately In Direct
Contact With Fluid Filled Sponge**

No Dry Swab Samples!

**Choice of Liquid Stuart or
Superior Liquid Amies Medium**

**Extra Large POLYURETHANE Sponge
Reservoir Inert & Non-Toxic, Stays
Anchored In Place**

LIQUID STUART MEDIUM

Sodium Glycerophosphate	10.0g
Calcium Chloride	0.1g
Mercaptoacetic Acid	1.0ml
Distilled Water	1 litre

LIQUID AMIES MEDIUM

Sodium Chloride	3.0g
Potassium Chloride	0.2g
Calcium Chloride	0.1g
Magnesium Chloride	0.1g
Monopotassium Phosphate	0.2g
Disodium Phosphate	1.15g
Sodium Thioglycollate	1.0g
Distilled Water	1 litre

Liquid Stuart & Liquid Amies transport medium are designed to support a wide range of bacteria. Amies modified Stuart's original formula by replacing glycerophosphate with an inorganic phosphate buffer. The metabolism of glycerophosphate by coliform organisms and other Gram-negative rods, in Stuart's original formulation, results in proliferation of these organisms from throat, wound and fecal specimens. Amies demonstrated that coliform organisms in throat cultures increased with the duration of delay in transit and the level of ambient temperature. NaCl at 0.3% w/v was discovered by Amies to be optimal for the preservation of *Neisseria gonorrhoeae*. Calcium and magnesium salts were added in the belief that these ions were of importance in controlling the permeability of the bacterial cells and so contributing to their survival.

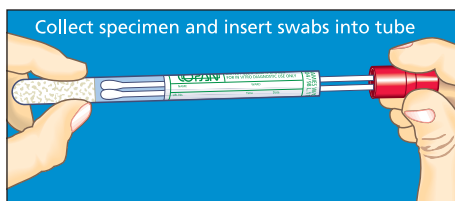
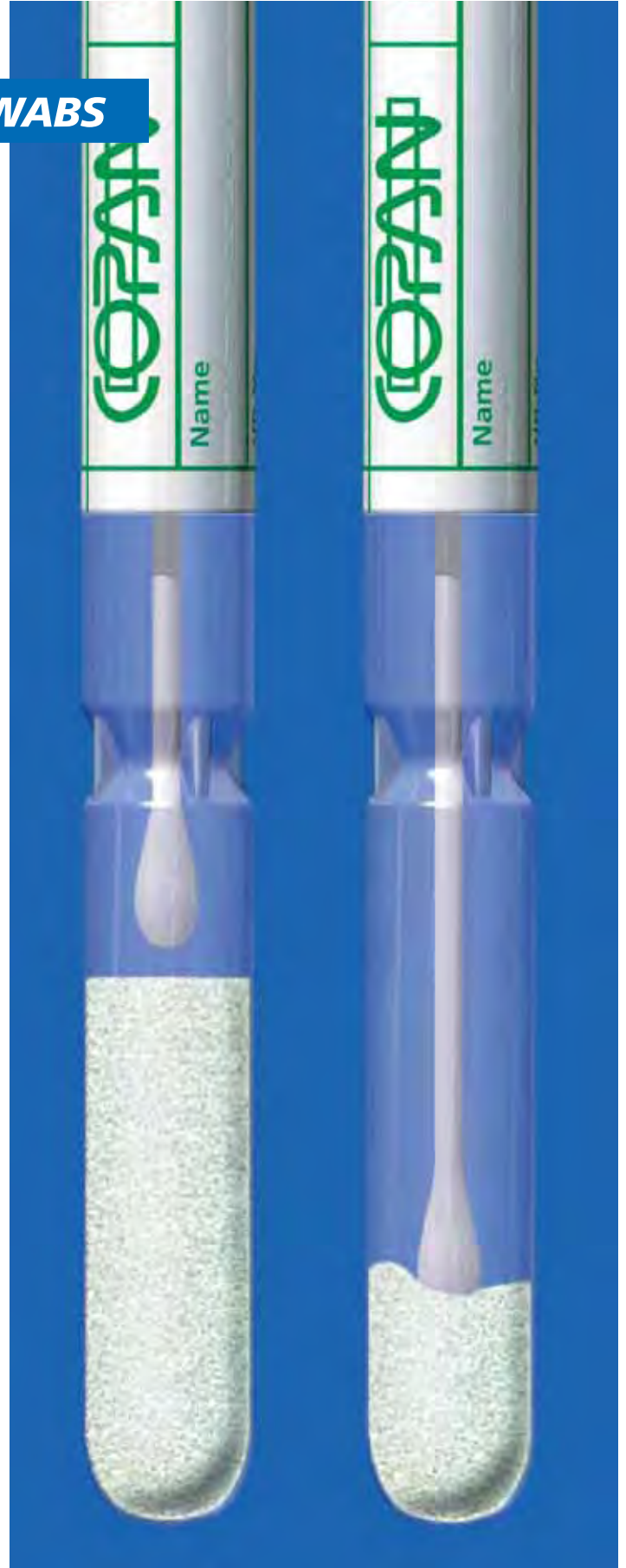
SLAM DUNK!



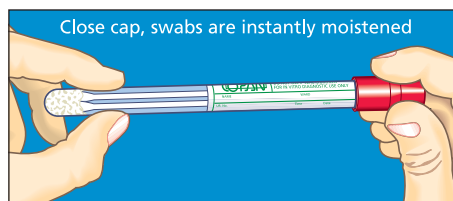
Easy to use specimen collection system, simply peel open the sterile package and remove the swab. Collect the sample and insert the swab into the tube of medium. This action places the tip of the swab in direct contact with a soft **polyurethane foam sponge**. The

sponge is soaked with 1.0ml of liquid transport medium and acts like a moisture reservoir. As the swab is inserted into the tube the soft sponge yields and compresses down. Liquid medium is drawn immediately into the swab tip by capillary action.

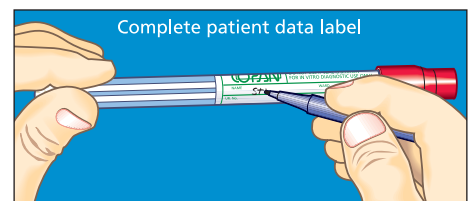
The extra large dimensions of the foam sponge means that it holds plenty of medium for both single or double swabs and it stays firmly anchored in place at the bottom of the tube. The sponge design will not slide or fall out during use.



Collect specimen and insert swabs into tube



Close cap, swabs are instantly moistened



Complete patient data label

LIQUID AMIES SWABS



140C.USE Single plastic swab - white cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



138C.USE Double plastic swabs - red cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.

MINI TIP LQ AMIES



Suitable for ear, nose, throat, eye and male urethral swab sampling. The narrow dimension of the swab shafts and small tip provides a more practical device for some pediatric swab sampling.



142C.USE Regular aluminum wire - orange cap 10 x 50 swabs / case
Firm wire ideal design for male urethral sampling.



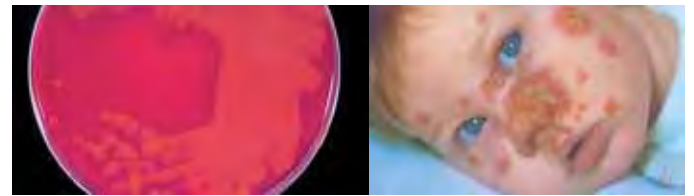
126C.USE Soft aluminum wire - green cap 10 x 50 swabs / case
Soft wire that can be easily bent and pre-shaped.



191C.USE Flexible twisted wire - blue cap 10 x 50 swabs / case
Designed specifically for nasopharyngeal sampling. Very flexible, will bend and yield when in contact with posterior nasopharyngeal wall. Features a safe loop shaped wire tip covered with soft rayon.



Twisted wire shown with and without fiber



LIQUID STUART SWABS



141C.USE Single plastic swab - white cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.



139C.USE Double plastic swabs - red cap 10 x 50 swabs / case
Throat, vaginal, wound and skin swabs.

MINI TIP LQ STUART



Suitable for ear, nose, throat, eye and male urethral swab sampling. The narrow dimension of the swab shafts and small tip provides a more practical device for some pediatric swab sampling.



143C.USE Regular aluminum wire - orange cap 10 x 50 swabs / case
Firm wire ideal design for male urethral sampling.



127C.USE Soft aluminum wire - green cap 10 x 50 swabs / case
Soft wire that can be easily bent and pre-shaped.



195CFE Flexible twisted wire - blue cap 10 x 50 swabs / case
Designed specifically for nasopharyngeal sampling. Very flexible, will bend and yield when in contact with posterior nasopharyngeal wall. Features a safe loop shaped wire tip covered with soft rayon.

THE NEW M40 TRANSYSTEM

Superior Aerobic and Anaerobic Survival

M40

TRANSYSTEM

**Complies with the
NCCLS M40-A Standard at
Room Temperature and 4°C***



**Available in:
Amies Agar Gel with Charcoal and
Amies Agar Gel without Charcoal formulas**

COPAN

innovation

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* Based on published independent scientific studies



PLAIN DRY SWABS IN TUBES



Sterile plain swabs in labeled tubes.

10 x 100 / case

Code	Applicator	Swab Tip	Color Code
150C	Wood	Cotton	Red
152C	Wood	Cotton/Charcoal coated	Black
154C	Wood	Rayon	White
155C	Plastic	Rayon	White
157C	Plastic	Cotton/Charcoal coated	Black
158C	Plastic	Alginate	Blue
159C	Plastic	Polyester	Green
160C	Aluminum	Rayon	Orange
161C	Aluminum	Alginate	Blue
162C	Aluminum	Polyester	Yellow
164C	Paper	Rayon	Green
167C*	Double Plastic	Rayon	White
168C	Twisted Wire	Rayon	Blue
169C	Twisted Wire	Alginate	Green
184C	Plastic minitip	Rayon	Green
185C	Plastic minitip	Polyester	Red
451C	Wood	Vegetal protein coated	Yellow
456C	Plastic	Vegetal protein coated	Yellow

* These swabs packed in 10 x 50 / case

OTHER RELATED COPAN PRODUCTS



706C	Mailing container 26x26 suitable for swab	1 x 500
706CCA	Mailing container 26x26 suitable for swab with absorbing paper	1 x 500

ATP FREE SWABS FOR BIOLUMINESCENCE

ATP Free swabs in labeled tubes for bioluminescence tests.



Code	Applicator	Swab Tip	Color Code
170C	Plastic	Polyester	Blue

SWABS IN PEEL POUCHES

Sterile swabs individually wrapped in peel pouches.

Code	Applicator	Swab Tip	10 x 100 swabs / case
165KS01	Wood	Cotton	
167KS01	Plastic	Rayon	
164KS01	Plastic	Polyester	
170KS01	Aluminum	Rayon	
171KS01	Aluminum	Alginate	
175KS01	Aluminum	Polyester	
184CS01	Plastic minitip	Rayon	
185CS01	Plastic minitip	Polyester	
A905BCS01	Large plastic	Rayon	



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