





Sterile or non sterile swabs are used for biological sampling. Specially used for processing samples which, after being coloured, will be analysed by microscopy. Also suitable for isolations in culture medium.

Another important use is its capacity to spread dishes by dissemination techniques (for example for susceptibility testing by Kirby-Bauer or by E-test).

### SWABS CLASS IIa

The swabs for microbiological sample collection in open wounds, as being a surgical invasive product with a temporary use, are manufactured in compliance with Guideline 93/42/CEE (Directive of Sanitary Products, belonging to CLASS IIa (Guideline 94/42/EEC, Annex IX, Rule 6).

General Management of Pharmacy and Sanitary Products works as the Official Control Organism with the number 0318.

### CONTROLS AND RULES APPLIED TO OUR SWABS

1. UNE-EN ISO 556-1:2002 Sanitary products sterilisation. Requirements to be designated as "STERILE" Part 1: Sterilised sanitary products requirements
2. UNE-EN ISO 1174-1:1996 Sterilisation of sanitary products. Microorganisms number estimate in a product.
3. UNE-EN ISO 980:2004 Graphic symbols used in the sanitary products labelling.
4. UNE-EN ISO 14971:2001 Medical devices. Application of risk management to medical devices.
5. UNE EN ISO 13485:2004 Medical devices. Quality management systems. Requirements for regulatory purposes.

During the manufacturing process several control procedures are used, such as: quality procedures, self-control guidelines, in-process controls, manufacture instructions, flow charts, controls of sterile products lot numbers, traceability control documents, inspection guidelines; insisting on reliability of the manufactured product and the sterilisation controls in each lot.



### PRESENTATIONS

- 1 **Peel-pack package** – single bag. Paper (fiber free) which can be peeled. It consists in one side of medical paper and another side of polyethylene.
- 2 **Flow-pack package** – single bag. Polypropylene bioriented bag.
- 3 **Package in tube** – The product is identified on the label.

All sort of package have the following parameters printed on: product code, product description, lot number, expiry date, CE mark, manufacturer name and address, sterilisation method and single use mark (⊗).

**Non sterile swabs**

CE (MDD)

Model **300232** is longer than the traditional swabs and is designed for those hard to reach places. For use in gynaecology when taking endocervical cells while using the speculum.

Dimensions:

**300232** shaft 200 x 2,5 mm. Tip 5 mm Ø.

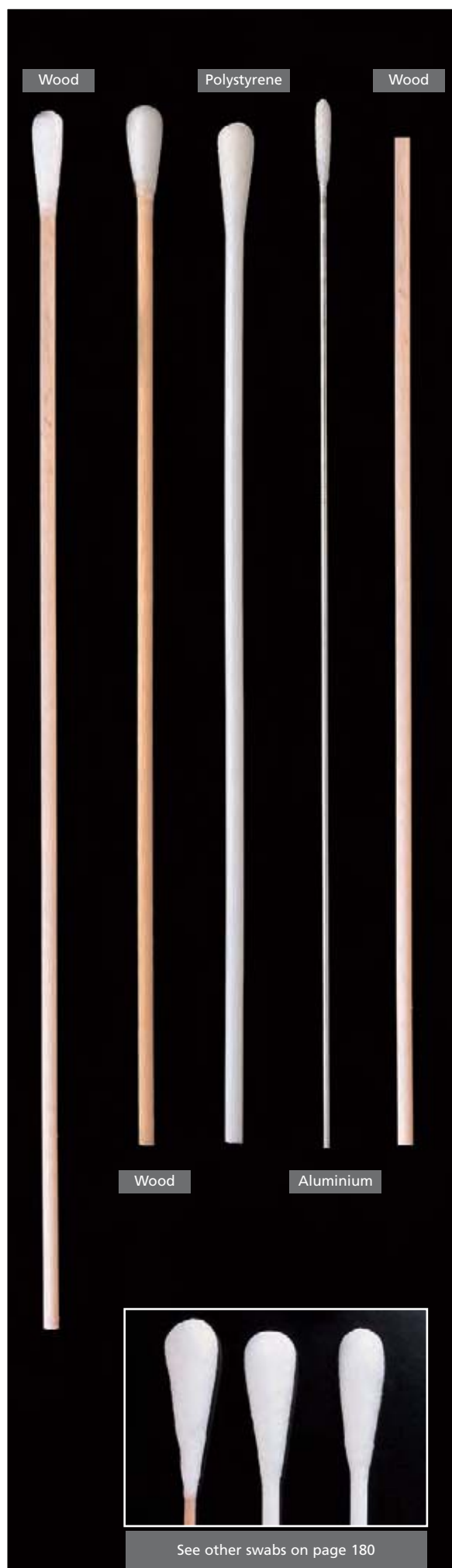
Other models dimensions:

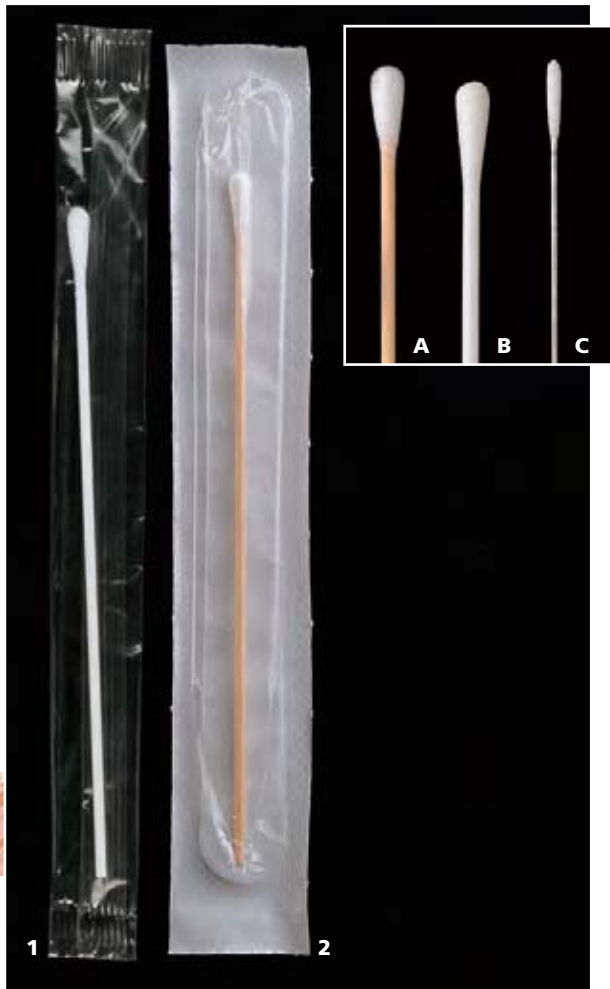
Wood and plastic: 150 x 2.5 mm (tip Ø ± 5 mm).

Aluminium: 150 x 0.9 mm (tip Ø ± 1.5 mm).

code	description	case quantity	case weight	case volume
<b>300232</b>	wood + cotton	80 x 100	5.00	0.030
<b>300230</b>	wood + cotton	100 x 100	7.80	0.032
<b>300260</b>	polypropylene + cotton	40 x 100	2.50	0.016
<b>300268</b>	snappable polystyrene + dacron	40 x 100	2.50	0.016
<b>300243</b>	aluminium + cotton	10 x 100	2.40	0.006
<b>300205</b>	wooden shaft only	4 x 1,000	1.75	0.001

All swabs have a round, compact and shred resistant head for a proper sampling avoiding fiber loose.



**Sterile swabs****CE class IIa (MDD)**

Sterile by ethylene oxide. Individually wrapped in peel-pack or flow pack, depending on the model.

For use when samples do not need to be transported.

We recommend our transport swabs in tubes when sample transport is required (see next page).

code	description	package	case quantity	case weight	case volume
<b>300200</b>	wood+cotton	peel-pack	2,000	2.6	0.029
<b>310200</b>	wood+cotton	flow-pack	2,000	2.6	0.029
<b>300201</b>	snappable ps+cotton	peel-pack	2,000	3.5	0.029
<b>300202</b>	snappable ps+viscose	peel-pack	2,000	3.5	0.029
<b>310202</b>	snappable ps+viscose	flow-pack	2,000	3.5	0.029
<b>300203</b>	aluminium+cotton	peel-pack	2,000	3.5	0.029
<b>310253.1</b>	aluminium+viscose	flow-pack	2,000	2.3	0.029 <b>NEW</b>

Cases per pallet: 54.

1. Flow pack      A: Wood  
 2. Peel pack     B: Snappable Polystyrene  
                       C: Aluminium

**Sterile swabs (2 units)****CE class IIa (MDD)**

Sterile by ethylene oxide. 2 swabs wrapped in peel-pack or flow pack, depending on the model. One swab is designed for cleaning the sampling area. The other swab is designed for sample collection.

For use when samples do not need to be transported.

We recommend our transport swabs in tubes when sample transport is required (see next page).

1,000 peel-packs/flow-packs with 2 units each one per case.

code	description	package	case quantity	case weight	case volume
<b>300210</b>	wood+cotton	peel-pack	1,000	2.54	0.025
<b>300211.1</b>	snappable ps+cotton	peel-pack	1,000	2.72	0.025
<b>310211.1</b>	snappable ps+cotton	flow-pack	1,000	2.72	0.025

Cases per pallet: 54.



### Sterile swab in round tube CE class IIa (MDD)

Sterile dry swabs supplied in shockproof round bottom tube, with a label sealing the cap.

Dimensions of tube: Ø 13 x 165 mm.

Sterilised by ethylene oxide.

code	description	case quantity	case weight	case volume	cases per pallet
300250	wood + cotton	4 x 500	14.00	0.066	27
300259	wood + viscose	4 x 500	14.00	0.066	27
300261	snappable PS + cotton	4 x 500	14.20	0.066	27
300252	snappable PS + viscose	4 x 500	14.20	0.066	27
300251	aluminium + cotton	4 x 500	14.00	0.066	27
300253	aluminium + viscose	4 x 500	14.00	0.066	27
300263	snappable PS + dacron	4 x 500	14.20	0.066	27
300250.1	wood + pure cotton	4 x 500	14.00	0.066	27



See page 179



### CE Swabs Class IIa

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### Transport swabs with media

The media used to transport the sample, has the appropriate chemical composition in order to maintain the bioburden levels with the minimum physiological activity, achieving thus the smallest variation (quantitatively and qualitatively) of the sample from the collection point to the laboratory where is going to be processed.

### Instructions for use

- Open the peel-pack.
- Extract the swab by touching only the cap.
- Take the sample with the swab.
- Introduce the swab inside the transport media after pulling out the security cap of the tube.
- Put the swab inside the tube and close it.
- Fill in the label information.
- Bring it the laboratory as soon as possible.

### Technical characteristics

Each kit consists in a tube (with the transport media) and a swab, packed in a peel-pack bag and sterilised by radiation. The cap is sealed to the tube by the label-seal.

- (A) Tube with transport media: Made of rigid polypropylene and round bottom. Suitable for food testing.
- (B) Polyethylene cap specially designed to close hermetically and with a non slippery surface when using gloves.
- (C) Coloured label in each tube with the following parameters printed: transport media type, sterilisation method, manufacturer name and the name of the appropriate official Bureau which certifies CE IIa class, "single use" and "see the instructions" marks, lot number and expiry date, as well as a place to write patient name, date, time, medical report number, source and kind of sample.
- (D) Swab fitted in a second cap with a shaft which ends in a tip of synthetic material hardly adhered to the shaft. Both swab and shaft fit exactly to the tube.

The peel-pack package is printed with the same information as the transport tube.

**Amies transport swabs,  
sterile****CE class IIa (MDD)**

AMIES media is a modification of Stuart media, which is at the same time a modification of Cary Blair media.

Basically the glycerophosphate is replaced by an inorganic phosphate, and the methylene blue by pharmacological charcoal. Calcium and magnesium are also added, thus maintaining the permeability of the bacterial cell.

This media assures the viability of organisms such as *Trichomonas sp.*, *Neisseria sp.*, *Haemophilus sp.*, *Corynebacteria*, *Streptococci*, *Enterobacteriaceae*, etc., for up to 3 days, although the recovery of microorganisms is better if cultured in the first 24 hours.

Amies transport swabs are available with or without charcoal. Swabs are sterilised by radiation.

Peel-pack dimensions: 38 x 210 mm.

Expiry date: 30 months after sterilisation date.

code	description	case quantity	case weight	case volume
<b>300287</b>	snappable polystyrene + viscose	8 x 150	17,0	0.110
<b>300285</b>	snappable polystyrene + viscose (with charcoal)	8 x 150	17,0	0.110

Cases per pallet: 16

**Liquid Amies transport swabs,  
sterile****CE class IIa (MDD)**

This is a variation of the traditional Amies media swab.

The AMIES transport media ensures the viability of organisms for up to 48 hours. It is suitable for the preservation of most pathogens such as *Trichomonas-sp*, *Neisserias-sp*, *Haemophilus-sp*, *Salmonella-sp*.

The liquid media is held in a special sponge (without agar). Swabs are sterilised by radiation.

Peel-pack dimensions: 38 x 205 mm.

Expiry date: 15 months after sterilisation date.

code	description	case quantity	case weight	case volume
<b>300284</b>	snappable polystyrene + viscose	8 x 150	15,0	0.110

Cases per pallet: 16.





### Stuart transport swabs, sterile

CE class IIa (MDD)

The modified STUART media allows the conservation and transportation of a large number of pathological microorganisms, such as *Neisseria gonorrhoeae*, *Haemophilus influenzae*, *Corynebacterium diptheriae*, *Trichomonas vaginalis*, *Streptococcus* sp., *Salmonella* sp., *Shigella* sp., etc.

The most unstable organisms will remain viable for up to 24 hours and other for several days.

The media is reduced due to the presence of thioglycolate, which difficulties the enzymatic reactions of the bacteria.

The multiplication of the bacteria is prevented due to the lack of nitrogen in the media. Swabs are sterilised by radiation.

Dimensions of the peel-pack: 38 x 210 mm.

*Expiry date: 30 months from sterilisation date.*

code	description	case quantity	case weight	case volume
<b>300290</b>	wood + cotton	8 x 150	17	0.110
<b>300291</b>	aluminium + cotton	8 x 150	17	0.110
<b>300295</b>	snappable polystyrene + viscose	8 x 150	17	0.110

Cases per pallet: 16.



### Cary Blair transport swabs, sterile

CE class IIa (MDD)

CARY BLAIR is another modification of STUART media, originally developed for faecal samples. The glycerophosphate has been substituted by inorganic phosphate since glycerophosphate is a metabolite for some bacteria, so they could grow and disperse the pathogens amount.

The methylene blue has also been removed and the pH increased to 8.4. CARY BLAIR media allows the conservation of most pathogens, including unstable ones, as *Neisseria* sp., *Haemophilus* sp. or *Streptococcus* sp. It is a typical media used to transport anaerobes.

Swabs are sterilised by radiation.

Dimensions of the peel-pack: 38 x 210 mm.

*Expiry date: 30 months from sterilisation date.*

code	description	case quantity	case weight	case volume
<b>300280</b>	wood + cotton	8 x 150	17	0.110
<b>300280.2</b>	snappable polystyrene + viscose	8 x 150	17	0.110

Cases per pallet: 16.

### Sterile transport swab for virus

CE class IIa (MDD)

This viral transport media preserves the specimen during transportation to the laboratory.

The media maintains the sample viable for up to 72 hours and in some cases for longer time.

The addition of antimicrobial substances inhibit the growth of bacteria and fungi.

Ideal for nasal, pharyngeal, ocular, skin and mucus samples.

Swabs are sterilized by radiation.

*Expiry date: 18 months from sterilisation date.*

code	description	case quantity	case weight	case volume
<b>300297</b>	snappable polystyrene + dacron	6 x 100	7.8	0.079
<b>300296</b>	aluminium + cotton	6 x 100	9.4	0.079 <b>NEW</b>

Minimum order quantity: 100 units.



### Sterile transport swab for Chlamydia. Liquid

CE class IIa (MDD)

Liquid media, suitable for Chlamydia.

For cervical samples it is recommended to firstly use a dry swab to clear the cervical channel.

The media maintains the sample viable for up to 72 hours.

Sterilized by radiation.

*Expiry date: 12 months from sterilisation.*

code	description	case quantity	case weight	case volume
<b>300299</b>	snappable polystyrene + dacron	6 x 100	7.8	0.079

Minimum order quantity: 100 units.

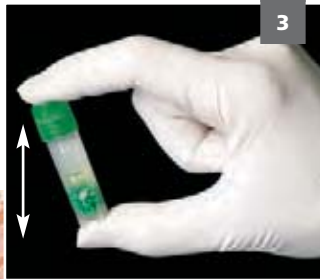




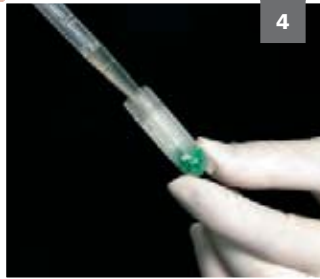
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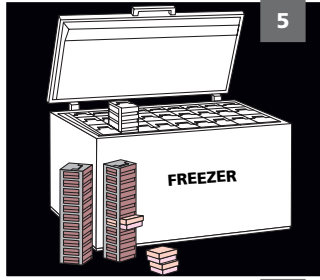
2



3



4



5



6



7



### CRYOINSTANT: Porous beads for microbiological culture preservation

CE (IVD)

CryoInstant is an excellent preservation system for storing microbiological culture, consisting on **2 ml sterile cryovials** containing 25 porous beads and cryopreservative-added broth. With these vials we can:

- Get a **perfect freezing storage system**.
- Obtain up to **25 replicates** from the original microorganism, to use them during many years
- **Ease** the **recovery** of the **stored strain** streaking an inoculated bead directly onto solid media
- **Prevent changes** and **repetitive thawing / freezing** of the rest of beads
- **Avoid** the **growth** of **ice** when recovering,
- **Improve recovery rates** of frozen cultures by adding cryopreservative to broth
- **Minimise** the **risk of cross contamination**,
- **Save space** in the freezers when storing.

The external thread cryovials are made of polypropilene, and feature a printed graduation and a white writing area for identification. Their smooth inner surface prevents from contamination. Their caps embody a silicone washer to ensure a positive leakproof seal. Tubes and caps withstand up to  $-190^{\circ}\text{C}$ .

In order to ease the classification of the samples, we offer the possibility to get cryovials with caps and beads in five different colours: every code displays caps and beads from a single and same colour (excepting code **409113/6**, which is an assortment), allowing a fast and easy identification of the samples, and providing a system whereby users are able to code different bacterial species, different samples, different laboratories,... And even more: with colour coded inserts (described on page 36) a further classification can be made. Cryovials are presented in carton boxes (resistant to  $-100^{\circ}\text{C}$ ; dimensions: 150x150x55 mm) with 100 units; boxes are furtherly described in page 228. Each box is supplied plastic-wrapped and labelled with code reference, batch, expiration date and specifying the colour of the caps and beads.

code	beads and cap colour	case quantity	case weight	case volume
<b>409113/1</b>	white	100	0.22	0.001
<b>409113/2</b>	blue	100	0.22	0.001
<b>409113/3</b>	yellow	100	0.22	0.001
<b>409113/4</b>	red	100	0.22	0.001
<b>409113/5</b>	green	100	0.22	0.001
<b>409113/6</b>	Assorted: 5 colours x 20 cryovials	100	0.22	0.001

#### WAY OF USE:

1. Take the sample from the strain with a loop (please see our loops on page 87)
2. Inoculate the cryovial by putting the loop in contact with the broth,
3. Close the cryovial and shake it gently in order to permeate the strain into the beads,
4. Extract the cryopreservative-added broth with a Pasteur pipette (see our plastic pipettes on pages 73-77),
5. Close the cryovial and take it to the freezer;
6. Every time we need to reproduce the strain, we will take a bead with a loop or a forceps,
7. And we will put it down on a Petri dish with culture medium, attempting to put in contact all the surface of the bead with the medium.