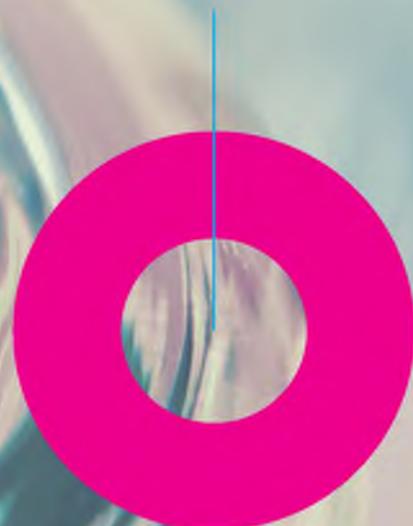
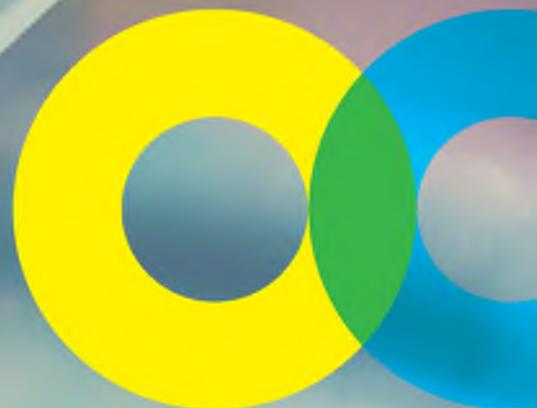
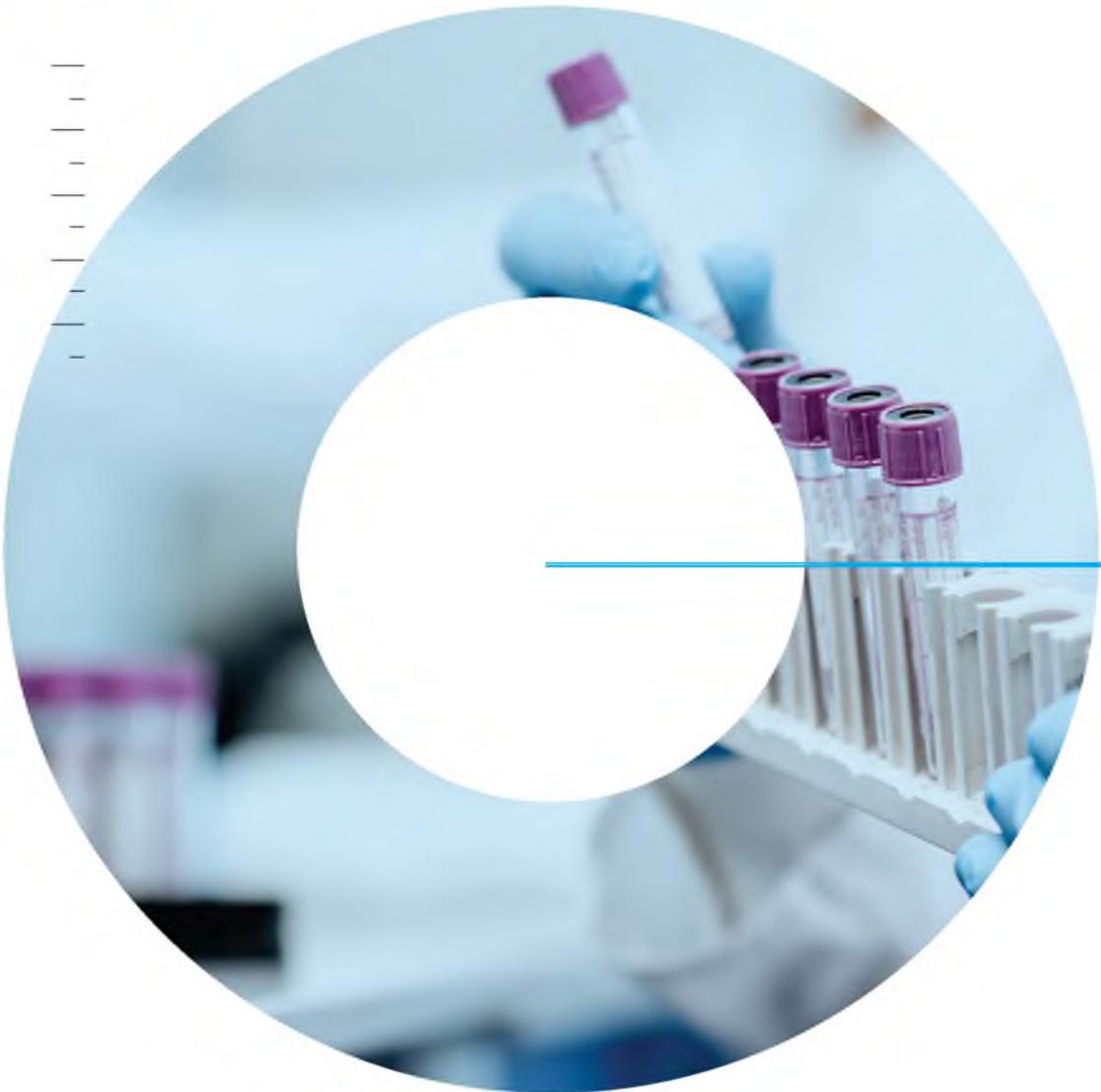




Your needs, our innovations





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Dear customers, distributors, suppliers and friends,

It is again a pleasure to be able to address all of you through this new edition of DELTALAB's Catalogue.

A Catalogue that highlights the work done by our company in these more than 40 years, and that wants to respond to the needs of our customers.

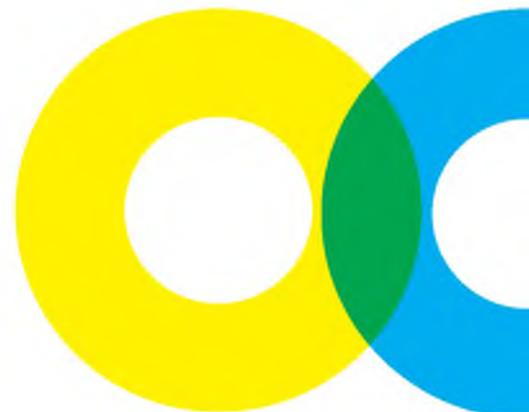
Our well known company philosophy: innovation, quality, service and efficiency, has been and will be always linked to our daily work, with a clear final objective: our customers' satisfaction.

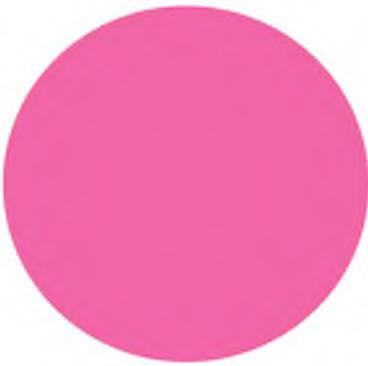
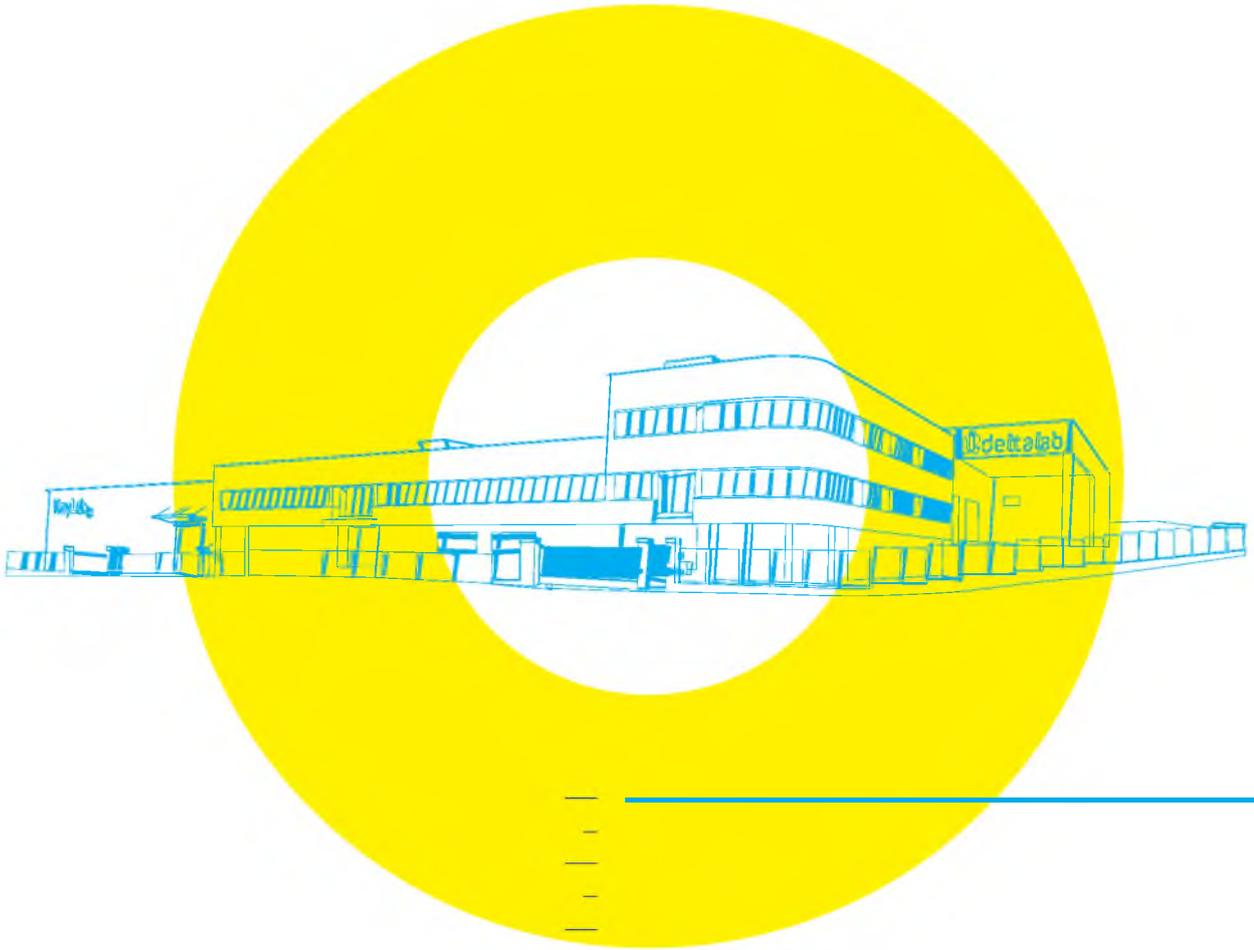
At the doors of the beginning of a new decade our market continues to show solidity, being naturally an evolving market. The increasing automation of processes and the search for higher speed and reliability in diagnosis are clearly influencing the demand for new solutions. Finding the right scale to grow in this new competitive environment, increasing investment in R&D, developing our production and operational processes in search of higher productivity, adapting the forthcoming regulatory changes are some of the challenges that as of today, we are facing them and will be decisive to continue competing for the future of our market.

From Deltalab, we take these new challenges with the same enthusiasm that we have put through all these years, and we will redouble our efforts to continue having the best solutions for our clients. For this, we want to count, as always, with your invaluable collaboration. Your success will be ours too.

We hope that this new edition of our Catalogue will help us to meet our common objectives and be the tool that gives us the key to this near future success.

José Sáez Mateos
CEO





**CERTIFICATIONS OF THE INTEGRATED MANAGEMENT SYSTEM
(quality and environment)**



ISO 9001: 2015
Quality management systems.



ISO 13485:2016
Medical devices.
Quality management systems.
Requirements for regulatory purposes.



ISO 14001: 2015
Environmental management systems

DELTALAB ISO CERTIFICATIONS

Deltalab's Quality Management System is certified as per ISO 9001:2015 and ISO 13485:2016 standards.

Since August 2019, Deltalab has been granted the **ISO 14001:2015 Certification**. This standard ensures that our companies have an Environmental Management System, which allows us to control the environmental impact of our products and activities. Deltalab, being a company **committed with the environment protection**, has decided to implement the mentioned Environmental Management System to reduce as much as possible the environmental impact.

The plastic materials of the products manufactured and commercialized by Deltalab are of high quality and are adequate to the needs of every product. For example, they are suitable for food contact, free of latex and other harmful substances such as heavy metals, phthalates, bisphenol or asbestos. Provided the products made of plastic are not chemically polluted, they are fully recyclable and biodegradable, and must be disposed of following the law in every country.

The packaging cardboard materials used in for the products commercialized by Deltalab are biodegradable and recyclable. To ensure a responsible management of the natural resources, these materials follow the FSC guidelines.

CE MARK OF MEDICAL DEVICES (MD) AND MEDICAL DEVICES FOR IN VITRO DIAGNOSTICS (IVD)

The CE Mark concerns those products that, affecting human beings, may involve a risk to their health. Therefore the CE Mark warrants that a product has been designed and manufactured so that it complies with the following requirements:

- **Does not compromise the health or clinical status of a patient.**
- **Does not endanger the user's health or safety.**
- **Does not compromise the health or safety of third parties.**
- **Minimizes the risk of errors of use thanks to its ergonomic features and the environment in which it is intended to be used.**
- **It takes into account the technical knowledge, expertise, experience, training, and medical and physical conditions of the intended users.**

The CE Mark requires that facilities, work organisation, and systems are subject to rigorous both internal and external quality controls. It also guarantees the highest level of safety when using those products intended for the sample collection and handling of human samples, directly and also for taking human clinical samples and their subsequent in vitro diagnosis.

The CE Mark guarantees that the products will be freely commercialised within the European Union.



Stuart swabs. Sterile

The modified Stuart media allows the conservation and transportation of a large number of pathological microorganisms, such as:

- Neisseria gonorrhoeae*
- Haemophilus influenzae*
- Neisseria meningitidis*
- Bordetella pertusis*
- Corynebacterium diphtheriae*
- Trichomonas vaginalis*
- Staphylococcus aureus*
- 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 diffcults 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	shaft material	tip material	case quantity	case weight	case volume
300290	wood	cotton	6 x 100	9.40	0.057
300291	aluminium	cotton	6 x 100	9.10	0.057
300295	snappable PS	viscose	6 x 100	8.65	0.060

Cases per pallet: 32.



Cary Blair. Sterile

Cary Blair is another modification of Stuart media.

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. This is a media originally developed for faecal samples but is also used successfully for anaerobic transport, such as:

- Neisseria gonorrhoeae*
- Vibrio cholerae*
- Vibrio parahaemolyticus*
- Haemophilus influenzae*
- Neisseria meningitidis*
- Bordetella pertusis*
- Streptococcus pneumoniae*
- Shigella flexneri*
- Pasteurella pestis*
- Campylobacter Spp., etc.

Swabs are **sterilised by radiation**.

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

Expiry date: 30 months from sterilisation date.

code	shaft material	tip material	case quantity	case weight	case volume
300280	wood	cotton	6 x 100	8.50	0.052
300280.2	snappable PS	viscose	6 x 100	8.50	0.056

Cases per pallet: 32.



Anticoagulants and preservatives in containers

Available in bottles of 15 ml.

The dosage of one drop (15 ml = 300 drops) is enough for 5 ml of blood.

Both products have preservatives for stability.

Code **705000** composition: lithium heparin, phenylmercury acetate and distilled water. Prepared according ISO 6710. Heparin concentration between 12 and 30 µl for each ml of blood.

Expiry date: 24 months.

code	description	case quantity	case weight	case volume
705000	heparina de litio 15 ml	10	0.29	0.0019



Special techniques

Liquid for thrombocyte count determination:

Due to its optical characteristics it identifies the thrombocyte avoiding confusion with other cells. This reagent also prevents adhesion and aggregation of the thrombocytes. Full instructions are included with the kit.

Test of osmotic brittleness of the erythrocytes:

The test for the erythrocyte osmotic fragility detects the resistance of these cells to haemolysis, in hypotonical solutions with decreasing concentration of sodium chloride.

This set contains 2 complete tests and each one is composed of 12 tubes with stable and buffered solutions. Full instructions are included in the kit.

Expiry date: 24 months.

code	description	case quantity	case weight	case volume
800000	thrombocyte counting kit 1 x 50 tubes	30 kits	5.50	0.045
802000	osmotic brittleness of erythrocytes kit 2 x 12 plus 2 lithium heparine tubes	30 kits	7.50	0.045

Minimum order quantity: 1 kit.



Reticulocyte staining kit

This simple to use kit consists of a tube containing 100 µl of stable buffered bright cresil blue stain which allows the determination of the erythrocyte count. Two to three drops of blood are added directly to the tube and incubated for 10 minutes at room temperature.

The erythrocytes become a pale blue colour making them easy to identify.

Full instructions are included with the kit.

Tube made of polypropylene and cap of polyethylene.

Expiry date: 24 months.

code	description	case quantity	case weight	case volume
801000	reticulocyte count kit (1 x 50 tubes)	30 kits	5.50	0.046

Minimum order quantity: 1 kit.





Staining jars with lid

Material: **autoclavable TPX**.

Two options available: vertical, "Hellendhall" type (Code **19335**) horizontal "Schiffederdecker" type (Code **19351**).

It is recommended to use slides up to 2 mm thick.



code	description	case quantity	dimensions mm	case weight	case volume
19355	vertical para 8 portas	4	58 x 53.5 x 86	0.28	0.002
19351	horizontal para 10 portas	4	76 x 65 x 45	0.32	0.002



Staining jar

Made of **POM** (polyoxymethylene).

Colour: black. Ideal for slide staining.

Good resistance to alcohols and xylol (not to phenol).

Consists of a jar with a lid for slide staining.

Leakproof. Includes a white perforated slide partition for drying.

Not suitable for microwaves.

It is recommended to use slides up to 1 mm thick.

code	dimensions mm	case quantity	case weight	case volume
191101	100 x 87 x 51	1	0.10	0.0004



Staining rack

Made of **POM** (polyoxymethylene). Colour: black. Ideal for slide staining.

Good resistance to alcohols and xylol (not to phenol). Accepts 25 slides.

Includes a folding handle, and 25 numbered slots to facilitate classification.

Slides insert easily in the rack. The rack ideally fits into the staining trough presented above.

No suitable for microwaves.

This product fits in the code 19360.

It is recommended to use slides up to 1 mm thick.



code	dimensions mm	case quantity	case weight	case volume
191100	91 x 79 x 38	1	0.03	0.001

Staining system

Slide staining system compound of a range of jars, and a 12 slides staining rack. Different jar colours allow the user to distinguish each stage of the staining process. Jar and rack made of **autoclavable** POM (polyoxymethylene), resistant to staining agents as alcohol, xylene, etc. (not phenol).

The jar embodies a hinged lid which allows storing the jar with the content.

Reagent capacity: 80 ml.

Jars can be loosely joined to each other laterally (picture 1).

The rack features a handle in the hinged lid, and can be placed up when handled out of the jar. Since the slides are placed vertically in the rack, their writing area will not be stained, allowing their removal without the use of forceps (picture 2).

Rack and jar withstand from **-170 °C** and **121 °C**.

Jar dimensions: 64 x 76 x 92 mm.

Rack dimensions: 60 x 64 x 97 mm.



code	description	case quantity	case weight	case volume
191104	blue jar	6	0.72	0.0059
191105	green jar	6	0.78	0.0059
191106	white jar	6	0.68	0.0059
191107	yellow jar	6	0.68	0.0059
191108	dark grey rack	6	0.32	0.0024



Staining jar and dish

Dish made of polypropylene and jar made of **autoclavable** TPX. The jar is supplied with two lids. The first lid provides evaporation free storage of staining liquid when the dish is not in use. The second includes a slot to allow staining dish insertion.

Code **19353**: height (with lid) 70 mm, height (without lid) 65 mm, length 100 mm and width 75 mm.

Code **19354**: height 21 mm, length 83 mm, width 70 mm and length (handle) 160 mm.

It is recommended to use slides up to 1 mm thick.



code	description	case quantity	case weight	case volume
19353	jar with 2 lids	4	0.49	0.006
19354	staining dish for 20 slides	2	0.06	0.001



Round bottom polystyrene tubes

Manufactured from high technology, new generation moulds to ensure the reproducibility of each tube. Tubes are made in one piece to ensure uniformity and dimensional accuracy from tube to tube.

mod.	code	dimensions mm	volume ml	case quantity	case weight	case volume	cases per pallet
1	300700	13 x 75	5	4 x 1,000	13.04	0.082	20
2	301700	13 x 100	7	6 x 500	11.24	0.084	20
3	300900*	16 x 95	10	5 x 500	12.10	0.096	16
4	300705	16 x 100	10	5 x 500	15.00	0.110	16
5	300100	16 x 150	17	1,000	9.84	0.093	20

*Code with graduation rings at 2.5, 5 and 10 ml.

Dimensions (± 0.09)

code	internal diameter mm	external diameter mm	total length mm	maximum volume ml
300700	10.9	12.9	74.7	6.7
301700	11.0	12.9	99.6	8.3
300900	13.8	15.8	94.6	12.2
300705	13.8	16.0	99.8	13.2
300100	14.6	16.3	151.0	21.1

Suitable for centrifugation up to 7,500 xg.

All tubes are suitable for laboratory use (excepting code **300100**, which does not withstand centrifugation).

A complete range of test tube caps is detailed on page 147 of this catalogue.



Bouchons polyéthylène

mod.	code	to fit tubes	yellow	natural	brown	malve	blue	green	red	black	bag quantity	bag weight	bag volume
			(to add at the end of the code)										
1	3053	300500, 400500, 300800.2		02		08		07	06		2 x 2.000	1.60	0.009
2	3058	300800, 400800, 300800.1, 300400, 400400, 400800.1		02		08	05	07	06	09	2.000	1.76	0.007
3	3071	300700, 301700, 400700, 401700, 300701, serie 300700.6	01	02		08	05	07	06	09	2.000	1.50	0.007
4	3072	300705, 300900, 400705, 400900, 401100, 300707		02			05	07	06		2.500	3.00	0.018
5	3050	300705, 300900, 400705, 400900, 401100, 300907, 300904, 300908		02		08		07			2.500	3.26	0.019
6	3081	300705, 300900, 400705, 400900, 401100, 300707, 300907, 300904, 300908		02				07	06		2.500	5.00	0.023
7	3070	300100							06		1.000	1.20	0.012
8	3055	301201, 401201, 301200, 401200, 301202, 401204		02				07			2.500	4.00	0.018
9	3082	301201, 401201, 401204		02			05				2.500	5.10	0.023
10	3066	301213, 301212	01								1.500	1.28	0.012

Ask for other colours.



mod.	code	tubes recommandés	colour	bag quantity	bag weight	bag volume
NEW 11	705722	300705, 300900, 400705, 400900, 401100	red	1.000	1,08	0,096
NEW 12	701061	300800, 300801	green	1.000	0,70	0,003
NEW 13	701034	300300	natural	1.000	0,66	0,003
NEW 14	705595	300500, 300800.2	red	1.000	0,70	0,003

Ask for other colours.



Re-caps

Ideal for re-capping blood collection tubes «vacuum type». Suitable for other glass and plastic tubes. Manufactured in flexible polyethylene. Easy to cap and remove.

Please find racks for these tubes on chapter **Sample Storage**



code	description	quantité par carton	poids du carton	volume du carton
308502	Ø 12-13 mm natural colour	6 x 1,000	1.70	0.025
308506	Ø 12-13 mm red colour	6 x 1,000	2.18	0.025
308602	Ø 15,2-16 mm natural colour	6 x 1,000	1.70	0.025
308606	Ø 15,2-16 mm red colour	6 x 1,000	2.18	0.025

Other colours available on request, minimum order quantity is 6,000 units.

