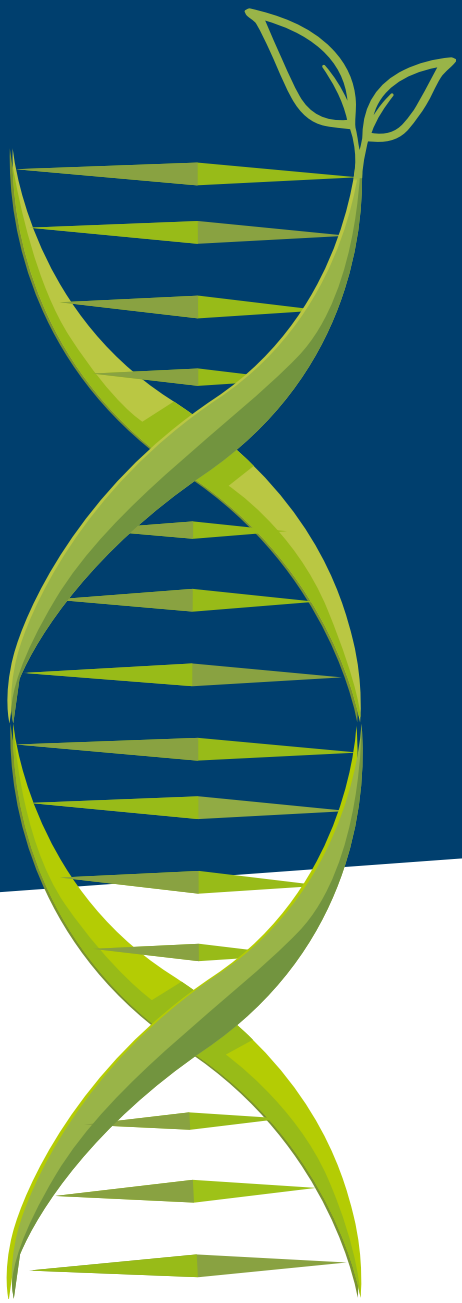
Labinox

Biosigma

BIOSIGMA.25

CATALOGUE



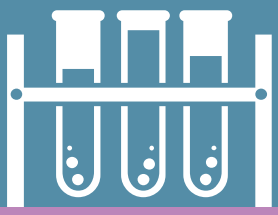
CLEARLine®

"Be cool, be safe, be CLEARLine"

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ABOUT US

The Italian brand synonymous with quality and innovation whilst respecting the environment

Biosigma was founded in 1988 and is located near Venice. Our headquarters extend over 12,000 square metres, where we produce some of the many items in our catalogues. The production, equipped with sophisticated machinery, innovative automation and two clean rooms, is designed to guarantee products free from human and bacterial DNA, DNases, RNases, bacterial endotoxins, PCR and ATP inhibitors.



Thanks to our advanced computer system, the sales office is able to provide rapid and detailed answers to our customers. Our constant commitment to technological development has allowed Biosigma to offer a service increasingly oriented towards customer satisfaction, with shipments in Italy that are guaranteed delivery times of 3 to 5 days.



Our products are distributed in over 50 countries worldwide, both directly from our warehouses and through our national and international distributors. In August 2011, Dominique Dutscher SAS acquired the majority of our share capital. Dominique Dutscher SAS is a leading French group in the distribution of consumables and equipment for life sciences and biotechnology.
Our website, www.biosigma.com, offers
over 100,000 items from more than 140 renowned brands, complete with descriptions and technical sheets.
We also offer numerous products on the Mepa portal (Italian online purchases for the public administration).



Biosigma continues to operate under its own name as an independent company, maintaining its philosophy of attentiveness towards customer needs, but benefiting from the strength of a group that possesses one of the largest European stocks of consumables and scientific instrumentation. Our sales network in Italy is made up of young biotechnologists who cover the entire national territory, including its islands. In addition, a director of research is available at the company to answer technical-application questions from customers as is a biologist responsible for the internal laboratory.



Dutscher Europe, the strength of a group

- One of the largest stocks of consumables and scientific instruments in Europe
- A fast, accurate logistics service, suitable for all customers
- A technical-commercial team close to you for advice
- A complete and intuitive catalogue and website, high-performance e-business tools
- Strong values of respect and pursuit of excellence
- Continuous research into new high-quality products



SUSTAINABILITY

Our commitment to sustainable development and environmental protection

Photovoltaic systems

Since 2011, Biosigma has installed a photovoltaic system that now generates 740,000 kWh per year and prevents the emission of 450,000 kg CO_2 per year.

ISO 14001

Biosigma has successfully kept its UNI EN ISO 14001 environmental certification since 2013.

Treedom

Treedom® is the first platform in the world that allows you to plant a tree remotely and follow the history of the project online. Through this platform, Biosigma has already planted 500 trees in different areas of the world.

CONAI

Biosigma is a member of CONAI, a private non-profit consortium created to increase packaging recovery and recycling.

ISCC

Biosigma is ISCC Plus certified, a voluntary process applicable to the bioeconomy and to the circular economy for food, feed, chemical products, plastic, packaging, textile products and renewable raw materials derived from a process that uses sustainable energy sources.

ESG

Biosigma is working to adopt the ESG (Environmental, Social and Governance) criteria; these are three fundamental dimensions to verify, measure and control the Company's commitment to sustainability. This involves adopting measures to reduce pollution, CO_2 emissions and waste. It also means having a diverse and inclusive workforce, from entry into the company to the board of directors.

SUSTAINABILITY PARTNER

Ogyre

We directly support Ogyre in the Fishing for litter project. Ogyre supports fishing communities by providing funding that allows them to recover waste from the sea during normal fishing operations. The waste collected is then gathered, separated and disposed of correctly.

E-Bike

In 2023 we started a sustainability project that provides some e-bikes to employees for home-work travel. The goal is to reduce air pollution and traffic congestion, promoting the culture of sustainable mobility and the use of zero-impact means of transport for daily travel.

CERTIFICATIONS

"Biosigma has always been focused on the safety and quality of its work by achieving the most important certifications"

ISO 13485

The quality system certificate demonstrates and promotes the company's commitment to organisational policies aimed at providing products and services in line with the regulatory and market requirements related to the medical field.

ISO 14001

ISO 14001 is a tool that will allow the organization to manage the environmental impacts of its activities in accordance with the applicable law, continuous improvement, from a pro-active attitude towards environmental issues.

ISO 45001

The certification represents the first international standard for health and safety at work or occupational safety. It has the ultimate goal of helping companies provide a healthy and safe working environment for their employees and for all those who are present at workplaces. This goal can be achieved by controlling and mitigating all factors that are harmful or represent a danger to the physical and/or mental well-being of workers.

FDA - Registration Number: 3002945499

The manufacturing plant and the Biosigma IVD devices are registered with the FDA (Food and Drug Administration).

We prefer Green

- The energy purchased, net of that self-produced by photovoltaic means, is 100% produced from renewable sources
- 90% of the packaging used to package our products is FSC "Forest Stewardship Council" certified, therefore originating from raw materials deriving from responsibly managed forests
- Catalogues printed on recycled and recyclable paper, wood-based, a renewable resource and using non-toxic inks
- 6 parking spaces with free electric charging station available to all
- Greener items: less plastic, reduced packaging, recyclable packaging, equipment with lower electricity consumption, recyclable waste, easily repairable equipment, etc... At the same time, we select and favour products with these characteristics; these items are identifiable by their Go-Green logo in our catalogues and on www.biosigma.com
- 100% LED lighting in our factory

Other initiatives for the environment



LABORATORY

Biosigma's internal laboratory



Biosigma's internal laboratory guarantees quality control of the items produced and distributed by the company, satisfying rigorous regulatory and internal requirements.

The laboratory manager uses advanced Molecular Biology, Biochemistry and Microbiology methodologies to assess the purity of the products and issue certificates of conformity.

The "quality control" protocols adopted are extremely scrupulous and scientifically validated with stringent parameters, recognised by the international scientific community.

Every production batch undergoes a rigorous sampling and analysis process, ensuring compliance with specific standards and the safety of the production lines.

The strict application of these methods not only allows complying with current regulations, but also forestalling and preventing any non-compliance before distribution.

Thanks to this methodical and rigorous approach, Biosigma ensures the highest quality and safety of its products, confirming its excellence in the sector.

Dr Giuseppe Cannino PhD

Biosigma adheres to:

CONFINDUSTRIA VENEZIA
AREA METROPOLITANA DI VENEZIA E ROVIGO

isber
INTERNATIONAL SOCIETY FOR BIOLOGICAL AND ENVIRONMENTAL REPOSITORIES

ESBB
European, Middle Eastern & African Society for Biopreservation and Biobanking

OUR BRANDS

CLEARLine®

CLEARLine® is a trademark registered by Biosigma, synonymous with purity, cleanliness and safety

Thanks to the use of high-quality raw materials and to constant controls during production, the articles in the CLEARLine® range are ideal for various laboratory applications.
Compliant products, with rigorous quality standards; the purity of the products is certified by our internal laboratory for each batch.



Registered trademark identifying the CLEARLine® products manufactured by Biosigma



Biosigma Registered trademark identifying the line of products derived from renewable sources and certified ISCC PLUS and ACT Label

CLEARLock®

Biosigma registered trademark identifying the microtubes with safety closure

CRYOGen®

Biosigma registered trademark identifying the test tubes for cryogenics

FAST READ®

Biosigma registered trademark identifying the cell counting chamber for urine sediment sample

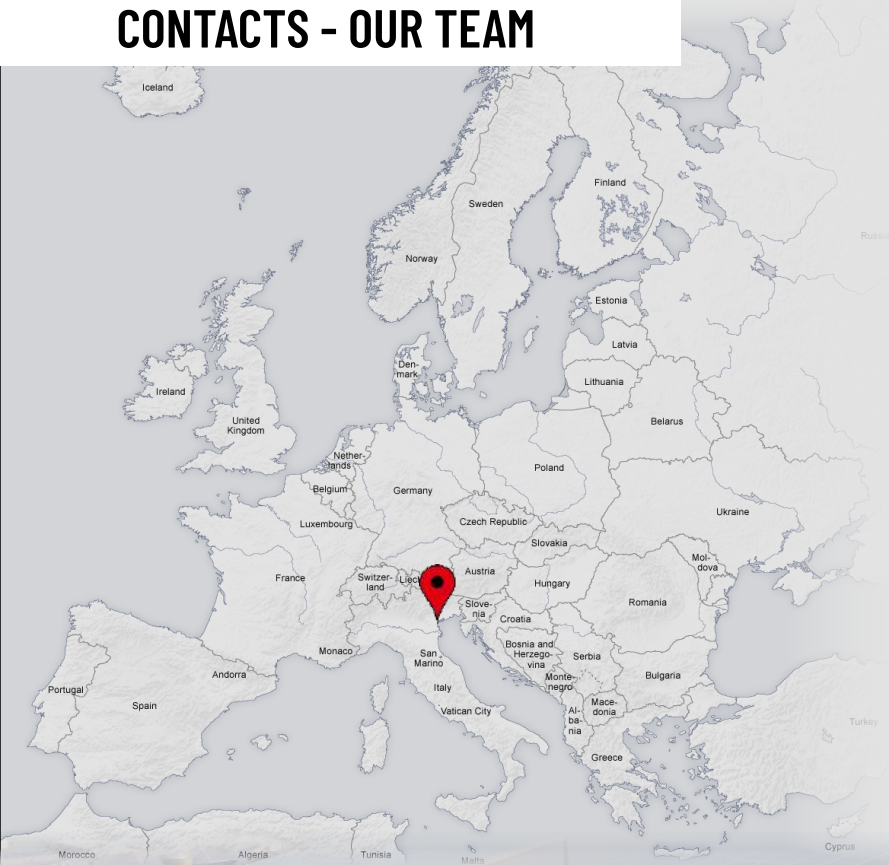
M-T MICROTIPS®

Biosigma registered trademark identifying the triple bulb pipette for the preparation of the urine sediment sample

HP PETTE®

Biosigma registered trademark identifying the micropipettes for dispensing liquids with fixed and variable volume

CONTACTS - OUR TEAM





PHONE
+ 39 0426 302226

Biosigma S.p.A.
Via Valletta, 6 - 30010
Cona (Venice) Italy

Phone 0426 302226
8.30-13.00 / 14.00-17.30
Fax 0426 302228

export@biosigmaeu.com



Export Manager

Stefania Pizzeghello

spizzeghello@biosigmaeu.com
+39 3386647513
biosigma_stefania



International Sales:
North/West Europe

Mattia Saviolo

msaviolo@biosigmaeu.com
+39 3426135424
biosigma_mattia



International Sales:
East Europe, North America, Australia

Alessandra Bolzonaro

abolzonaro@biosigmaeu.com
+39 3496771961
biosigma_exp.support



Marketing Specialist
International Sales:
Asia, Middle East, Africa, Central/South America

Debora Aggio

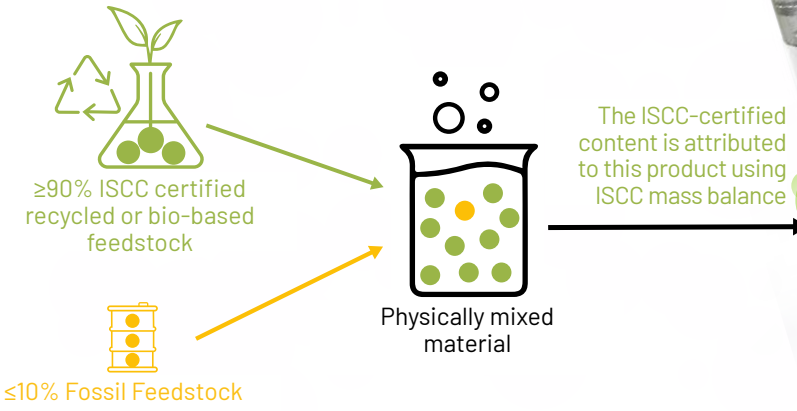
daggio@biosigmaeu.com
+39 3498635246
biosigma_qualita



BIOBased CLEARLine® products

Conventional plastics, especially those from non-renewable sources, pose a challenge to the environment due to their limited biodegradability.
Laboratories can mitigate their impact by integrating bio-based materials and adopting environmentallyfriendly practices that minimize their plastic footprint.
Biosigma, committed to innovation and sustainability, has embraced the Mass Balance Model, integrating circular feedstocks into its production facilities.

As a pioneer in innovation, Biosigma introduces the BIOBased CLEARLine® products, which are manufactured with at least 90% certified plastic from bio-based raw materials.





During this process, the properties of the polymer and the product remain compliant with the existing specifications. Such a sustainable approach not only preserves product integrity, but also contributes to significant emission savings, in line with our commitment to a greener future.

The commitment to sustainability is also evident in the choice of feedstocks, which are derived from renewable sources such as agricultural residues, food waste, and other organic by-products.
These materials are not only environmentally friendly, but also have **ISCC Plus certification** as Bio and Bio-circular products. The sustainability criteria and the entire process are certified by the International Sustainability and Carbon Certification (ISCC) organization.

"ISCC – International Sustainability and Carbon Certification (ISCC) is an independent certification system that ensures compliance with high environmental and social sustainability requirements, the reduction of greenhouse gas emissions and traceability throughout the supply chain. "

In addition, all **BIOBased CLEARLine®** products have the ACT Environmental Impact Factor Label awarded by an independent auditor and published by My Green Lab® **https://act.mygreenlab.org/**

The ACT (Accountability, Consistency, and Transparency) label provides clear, accurate, fair, and greenwash-free information on environmental impact in all areas, including manufacturing, energy and water use, packaging, and end-of-life.

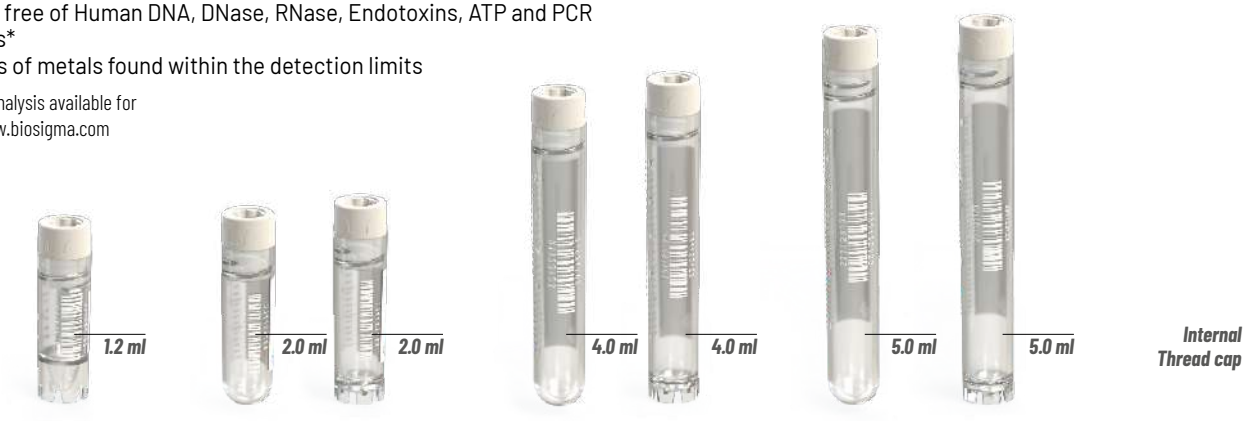


BIOBased 1D CryoGen® Tubes CLEARLine®

CLEARLine®

- Tubes in Polypropylene - caps in Polypropylene and TPV, from medical grade raw materials
- Zip bags, re-closable
- Innovative screw caps eliminate leakage and contamination
- Standard code 128 barcode unique and unrepeatable
- Storage temperature Range: from +4°C to liquid nitrogen vapor phase
- Particularly suitable for cell culture, microbiology, and other long-term storage samples
- Sterile SAL 10-6*
- Certified IATA PI650
- Certified free of Human DNA, DNase, RNase, Endotoxins, ATP and PCR inhibitors*
- No traces of metals found within the detection limits

* Certificate of analysis available for download on www.biosigma.com



Internal Thread cap

Code	Vol. (ml)	Model	Bottom style	Height (mm)	Diameter (mm)	Internal packaging	Sale unit
CL1BISC	1,2	1D	Self standing	H 42.50 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL2BISC	2	1D	Self standing	H 47.70 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL2ISC	2	1D	Round bottom	H 46.55 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL4BISC	4	1D	Self standing	H 76.70 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL4ISC	4	1D	Round bottom	H 75.55 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL5ISC	5	1D	Round bottom	H 90 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL5BISC	5	1D	Self standing	H 89.25 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500



External Thread cap

Code	Vol. (ml)	Model	Bottom style	Height (mm)	Diameter (mm)	Internal packaging	Sale unit
CL1BESC	2	1D	Self standing	H 41.25 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL2BESC	2	1D	Self standing	H 46.85 ± 034	Ø 12.6 ± 0.13	Bag / 50	500
CL2ESC	2	1D	Round bottom	H 45.90 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL3BESC	3	1D	Self standing	H 70.65 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL4BESC	4	1D	Self standing	H 75.45 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL5BESC	5	1D	Self standing	H 89.25 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500

BIOBased 2D CryoGen® Tubes CLEARLine®

CLEARLine®

- Tubes in Polypropylene - caps in Polypropylene and TPV, from medical grade raw materials
- Zip bags, re-closable
- Innovative screw caps eliminate leakage and contamination
- Standard code 128 barcode unique and unrepeatable
- Storage temperature Range: from +4°C to liquid nitrogen vapor phase
- Particularly suitable for cell culture, microbiology, and other long-term storage samples
- Sterile SAL 10-6*
- Certified IATA PI650
- Certified free of Human DNA, DNase, RNase, Endotoxins, ATP and PCR inhibitors*
- No traces of metals found within the detection limits

* Certificate of analysis available for download on www.biosigma.com



YouTube https://bit.ly/2JELQ3x



Internal Thread cap *External Thread cap*

Code	Vol. (ml)	Model	Thread cap	Bottom style	Height (mm)	Diameter (mm)	Internal packaging	Sale unit
CL2BI2DSC	2	2D	Internal	Self standing	47.70 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL5BI2DSC	5	2D	Internal	Self standing	90 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500
CL2BE2DSC	2	2D	External	Self standing	47 ± 0.34	Ø 12.6 ± 0.13	Bag / 50	500
CL5BE2DSC	5	2D	External	Self standing	89.25 ± 0.44	Ø 12.6 ± 0.13	Bag / 50	500

BIOBased Microtubes Screw Cap CLEARLine® 0.5, 1.5 and 2 ml

CLEARLine®

- Tubes in Polypropylene - caps in polyethylene from medical grade raw materials
- Temperature range: -85°C + 121°C
- Autoclavable to 121°C for 20 minutes
- Recommended for several biotechnological applications
- Sterile SAL 10-6*
- Certified free DNase, RNase, and Endotoxins*
- No traces of metals found within the detection limits

* Certificate of analysis available for download on www.biosigma.com



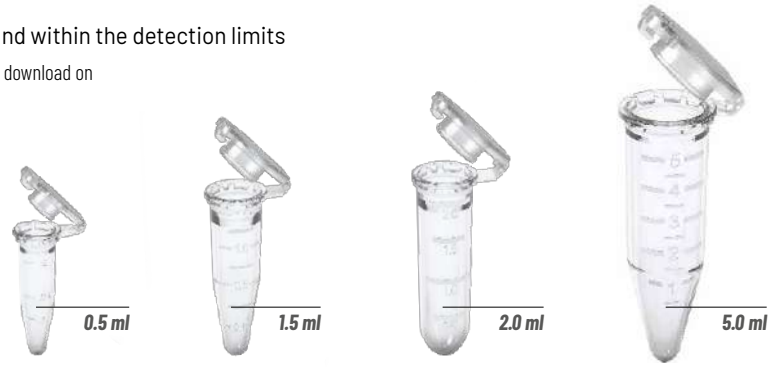
Code	Vol. (ml)	Height (mm)	Bottom style	O-ring	Writing area	Internal packaging	Sale unit
CL604SC	0,5	47.1 ± 0.34	Conical	X		Bag / 500	1000
CL614SC	0,5	47.5 ± 0.34	Self standing	X		Bag / 500	1000
CL724SC	1,5	47.1 ± 0.34	Conical	X	X	Bag / 500	1000
CL734SC	1,5	47.6 ± 0.34	Self standing	X	X	Bag / 500	1000
CL744SC	2	47.2 ± 0.34	Conical	X	X	Bag / 500	1000
CL754SC	2	48.6 ± 0.34	Self standing	X	X	Bag / 500	1000

BIOBased CLEARLock™ microtubes CLEARLine® 0.5, 1.5, 2 and 5 ml

CLEARLine®

- In Polypropylene Medical Grade, Non-Cytotoxic – Non-Hemolytic
- Zip bags, re-closable
- Optimal transparency
- Graduated with writing area
- Hinged lid prevents any unintentional opening during use and avoid
- evaporation during long-term storage
- Pierceable writing cap
- Temperature range: -80°C + 100°C
- Autoclavable at +121°C for 20 minutes
- Recommended for PCR and other molecular biology applications - chemical and biological sample storage
- Certified free of Human DNA, DNase, RNase, Endotoxins, ATP and PCR inhibitors
- No traces of metals found within the detection limits

* Certificate of analysis available for download on www.biosigma.com



Code	Color	Volume (ml)	Internal packaging	Sale unit
CL05SC	Neutral	0,5	Bag / 500	500
CL15SC	Neutral	1,5	Bag / 500	1000
CL20SC	Neutral	2	Bag / 500	1000
CL50SC	Neutral	5	Bag / 100	200

Low Binding PROTEIN

Clearlock Low binding:
Maximum Protein recovery rates

Code	Color	Model	Volume (ml)	Internal packaging	Sale unit
CL05PLBSC	Neutral	Protein low binding	0,5	Bag / 100	500
CL15PLBSC	Neutral	Protein low binding	1,5	Bag / 50	200
CL20PLBSC	Neutral	Protein low binding	2	Bag / 50	200

Low Binding DNA

Clearlock Low binding:
Maximum Nucleic Acid recovery rates

Code	Color	Model	Volume (ml)	Internal packaging	Sale unit
CL05DLBSC	Neutral	DNA low binding	0,5	Bag / 100	500
CL15DLBSC	Neutral	DNA low binding	1,5	Bag / 50	200
CL20DLBSC	Neutral	DNA low binding	2	Bag / 50	200

BIOBased CLEARLine® products

ensure...

- Certified Traceability of the Supply Chain
- Very limited dependence on non-renewable sources
- Reduction of greenhouse gas emissions
- The Transition to a Green and Circular Economy
- Same Performance as fossil-derived materials without compromising on quality

A Conscious Step Towards a Sustainable Future



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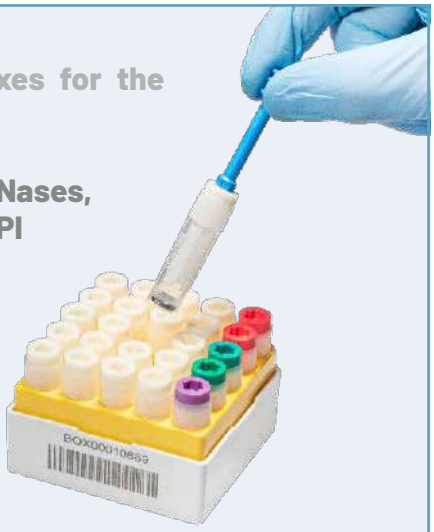
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1.1_ SAMPLE STORAGE

Biosigma offers a complete range of cryogenic tubes and boxes for the preservation of samples in the gaseous phase of liquid nitrogen.



- **Biosigma CryoGen® tubes are certified free from human DNA, DNases, RNases, Endotoxins, PCR inhibitors, Sterile SAL 10^{-6} and IATA PI 650 and do not contain traces of metals**
- **They have a unique and consecutive barcode in 1D format printed on the tubes' bodies**
- **The line also includes 2D CryoGen® tubes, which have a 2D matrix code on the bottom of the tubes, in addition to the 1D linear barcode**
- **CryoGen® tubes can be stored in Biosigma CryoGen® boxes of 25, 81 or 100 places, with a 1D linear barcode printed on the side of the box, or in 2D CryoGen® boxes, which also have a 2D matrix code on the bottom of the boxes**
- **The cryogenic boxes are made of polycarbonate to withstand the temperatures of the gaseous phase in liquid nitrogen. They are autoclavable at 121°C for 20 minutes**
- **The raw material used is medical grade and certified according to USP class VI, in compliance with the United States Pharmacopoeia and with ISO 10993**

- **CryoGen® 1D test tubes with linear barcode**
- **CryoGen® Box**
- **CryoGen® 2D barcoded test tubes**
- **CryoGen® box 2D**
- **SBS 48-place rack for 2 and 5 ml CryoGen® Tubes**
- **CryoGen® line accessories**

WARNING

Do not dip Cryogen test tubes in the liquid phase of nitrogen. Immersion in the liquid phase may cause liquid nitrogen to become trapped inside the tube, which could lead to an increase in pressure, causing a possible explosion with risk of biological contamination. Make sure samples in the gas phase are stored above the liquid nitrogen. In this state the temperature is below the level required to maintain the material in good condition.

CryoGen® 1D test tubes with linear barcode

- Certified free from human DNA, DNases, RNases, Endotoxin, ATP and PCR inhibitors*
- Sterile SAL 10^{-6} **
- Compliant with IATA regulation PI 650
- Working temperatures: from generic refrigeration (+4°C) up to the gaseous phase of liquid nitrogen
- Medical grade materials
- Test tube body in polypropylene, bi-injected caps in polyethylene and TPE
- No traces of metals found within the detection limits

CLEARLine®

Human DNA · DNase RNase · Endotoxin · ATP · PCR Inhibitors · METALS

* Certificate of Analysis downloadable from our website www.biosigma.com
** Validated beta-ray treatment certificate, downloadable from our website

Coloured inserts available for colour code adaptable to both internal and external caps for quick identification of the sample

Made of medical grade polyethylene (PE) and elastomer thermoplastic (TPE) to provide a hermetic seal

Test tube body manufactured from medical grade PP

Code 128 barcode on each tube body with double decoding readable in both directions

With or without base



Star shaped top cavity is engineered for use with automatic decapping equipment

Excellent chemical resistance of the cap

Thin profile external cap to ensure better insertion into standard racks and storage boxes

Test tubes and caps are autoclavable at 121°C for 20 minutes

Printed graduations

Large writing area

Excellent chemical resistance

Test tube with self-locking base in workstations



Our bi-injected screw caps make it possible to eliminate sample leakage and contamination. Both the inner and outer screw caps are co-moulded with PE and a thermoplastic elastomer (TPE) to provide a perfect seal. This bi-injection moulding process eliminates the risk of contamination associated with the insertion of separate o-rings.

For further information, please refer to the technical data sheet downloadable from our website www.biosigma.com



500-piece dispenser box (10 50-piece zip-bags)



50-piece zip-bags with indication of sterilisation

1.1_ SAMPLE STORAGE

CryoGen® 1D test tubes with linear barcode

CryoGen® test tubes with internal cap

Sterile, free from DNases, RNases, human DNA, ATP, Endotoxins, PCR inhibitors and Metals



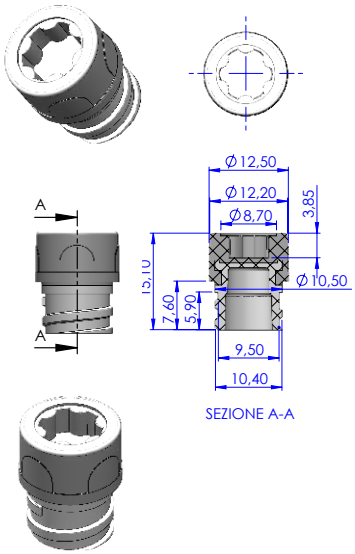
Code	Vol. (ml)	Height (cm)	Bottom	Units/ Bags	Sales units
CL1ARBIPSTS	1.2	4.27	With base	50	500
CL2ARBIPSTS	2.0	4.82	With base	50	500
CL2ARIPSTS	2.0	4.70	Without base	50	500
CL4ARBIPSTS	4.0	7.62	With base	50	500
CL4ARIPSTS	4.0	7.50	Without base	50	500
CL5ARBIPSTS	5.0	9.03	With base	50	500
CL5ARIPSTS	5.0	8.92	Without base	50	500

CryoGen® test tubes with external cap

Sterile, free from DNases, RNases, human DNA, ATP, Endotoxins, PCR inhibitors and Metals



Code	Vol. (ml)	Height (cm)	Bottom	Units/ Bags	Sales units
CL1ARBEPSTS	1.2	4.02	With base	50	500
CL2ARBEPSTS	2.0	4.56	With base	50	500
CL2AREPSTS	2.0	4.45	Without base	50	500
CL3ARBEPSTS	3.0	6.92	With base	50	500
CL4ARBEPSTS	4.0	7.36	With base	50	500
CL5ARBEPSTS	5.0	8.76	With base	50	500



For automatic capper/decapper

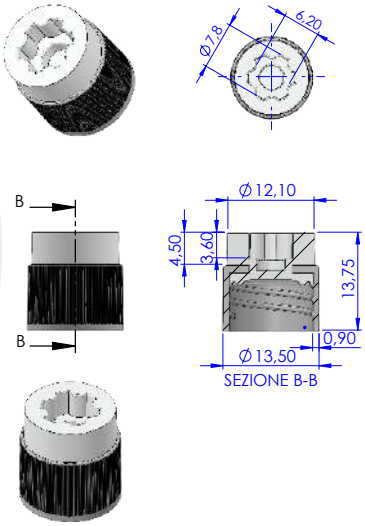
Star shaped top cavity is engineered for use with automatic decapping equipment.

No risk of contamination

Our bi-injected screw caps make it possible to eliminate sample leakage and contamination. Both the inner and outer screw caps are co-moulded with PE and a thermoplastic elastomer (TPE) to provide a perfect seal.
This bi-injection moulding process eliminates the risk of contamination associated with the insertion of separate o-rings.

Insert for color coding

Color coded inserts are available to fit both internal and external caps for quick sample identification.



All CLEARLine® cryogenic tubes with standard barcode on this page are available with coloured caps.

Add the following suffixes to the references when ordering:



Colour	Light Blue	White	Yellow	Red	Purple	Green
Suffix	/AZ	/BI	/G	/R	/VI	/V
For example	CL1ARBEPSTS/AZ	CL1ARBEPSTS/BI	CL1ARBEPSTS/G	CL1ARBEPSTS/R	CL1ARBEPSTS/VI	CL1ARBEPSTS/V

CryoGen® Box

Features

- Suitable for storing CryoGen® 1D test tubes
- Grids available in 4 colours
- Lid positioning, guided by 45° inclined corners
- Frosted writing area on the lid and base, for easy writing
- Working temperatures: from general refrigeration (+4°C) to the gaseous phase of liquid nitrogen
- Autoclavable at +121°C for 20 minutes

Rack 1D additional features

- Laser-engraved barcode "code 128" on the side of the box
- Numeric grid on the lid and bottom

Printed numerical grid on the lid



Frosted writing area



Vial picker included in each sales unit



1D barcode lasered on rack's side



Numerical grid on the bottom and on the lid





CryoGen® Box 81 LOW standard and 1D barcoded for 1 - 2 ml tubes, external and internal cap

Code	1D	Colour	Dimensions (mm)	Sales units
BSM58061B/AZ		Light Blue	132 x 132 x 52	40
BSM58061B/RO		Red		40
BSM58061B/V		Green		40
BSM58061B/G		Yellow		40
BSM58061B1D/AZ	X	Light Blue		40
BSM58061B1D/G	X	Yellow		40
BSM58061B1D/RO	X	Red		40
BSM58061B1D/V	X	Green		40



CryoGen® Box 81 HIGH standard and 1D barcoded for 3 - 4 - 5 ml tubes external cap and 5 ml internal cap

Code	1D	Grid colour	Dimensions (mm)	Sales units
BSM58071B/AZ		Light Blue	132 x 132 x 94	32
BSM58071B/G		Yellow		32
BSM58071B/RO		Red		32
BSM58071B/V		Green		32
BSM58071B1D/AZ	X	Light Blue		32
BSM58071B1D/G	X	Yellow		32
BSM58071B1D/RO	X	Red		32
BSM58071B1D/V	X	Green		32



CryoGen® Box 25 standard and 1D barcoded for 1 - 2 ml tubes, external and internal cap

Code	1D	Colour	Dimensions (mm)	Sales units
BSM58025B/AZ		Light Blue	76 x 76 x 52	48
BSM58025B/RO		Red		48
BSM58025B/V		Green		48
BSM58025B/G		Yellow		48
BSM58025B1D/AZ	X	Light Blue		48
BSM58025B1D/RO	X	Red		48
BSM58025B1D/V	X	Green		48
BSM58025B1D/G	X	Yellow		48



CryoGen® Box 100 standard 1D barcoded for 1 - 2 ml tubes, internal cap

Code	1D	Colour	Dimensions (mm)	Sales units
BSM58100/AZ		Light Blue	132 x 132 x 52	40
BSM58100/B		White		40
BSM58100/G		Yellow		40
BSM58100/RO		Red		40
BSM58100/V		Green		40
BSM581001D/B	X	White	132 x 132 x 52	40

1.1_ SAMPLE STORAGE

CryoGen® 2D barcoded test tubes

Coloured inserts available for colour code adaptable to both internal and external caps for quick identification of the sample

Bi-injected internal and external screw caps manufactured from medical grade polyethylene (PE) and thermoplastic elastomer (TPE) to provide a hermetic seal

Printed graduations

Large writing area

Test tube body manufactured from medical grade PP

Datamatrix code inserted in the bottom, sequential and corresponding to the "code 128" barcode on the test tube body.

Permanent laser marking system, subjected to rigorous quality controls.

The insert bearing the 2D code is fixed in position by using ultrasound (patented system).



Star shaped top cavity is engineered for use with automatic decapping equipment

Excellent chemical resistance of the cap

Thin profile external cap to ensure better insertion into standard racks and storage boxes

Excellent chemical resistance of the test tube

Code 128 barcode on each test tube with double decoding readable in both directions and corresponding to the 2D code on the bottom

The base of the tube is provided with channels to expel cryogenic liquid that could be trapped between the base of the tube and the 2D pad.

Test tube with self-locking base in workstations.

- Certified free from human DNA, DNases, RNases, Endotoxin, ATP and PCR inhibitors*
- Sterile SAL 10^{-6} **
- Compliant with IATA regulation PI 650
- Working temperatures: from generic refrigeration (+4°C) to the gaseous phase of liquid nitrogen
- No traces of metals found within the detection limits
- Made of medical grade materials
- Test tube body in polypropylene, bi-injected caps in polyethylene and TPE
- Autoclavable at +121°C for 20 minutes

* Certificate of Analysis downloadable from our website www.biosigma.com
** Validated beta-ray treatment certificate, downloadable from our website

For further information, please refer to the technical data sheet downloadable from our website www.biosigma.com

CryoGen® 2D test tubes with internal cap

Sterile, free from DNases, RNases, human DNA, ATP, Endotoxins and PCR inhibitors

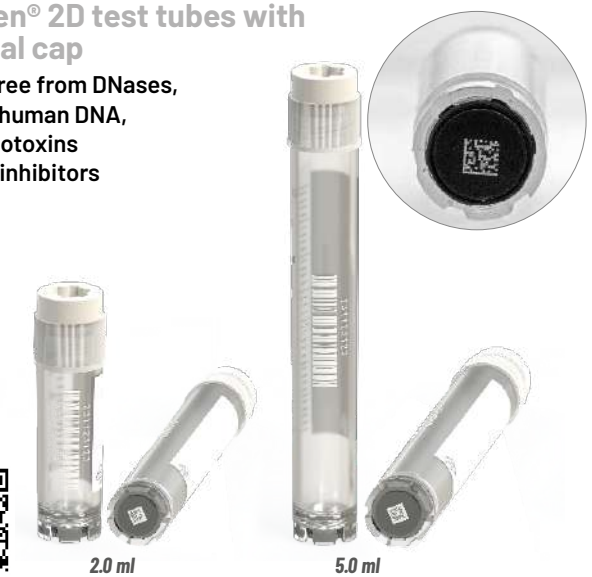


2.0 ml 5.0 ml

Code	Vol. (ml)	Height (cm)	Units/Bags	Sales units
CL2ARBIPS2D	2.0	4.82	50	500
CL5ARBIPS2D	5.0	9.03	50	500

CryoGen® 2D test tubes with external cap

Sterile, free from DNases, RNases, human DNA, ATP, Endotoxins and PCR inhibitors



2.0 ml 5.0 ml

Code	Vol. (ml)	Height (cm)	Units/Bags	Sales units
CL2ARBEPS2D	2.0	4.56	50	500
CL5ARBEPS2D	5.0	8.76	50	500

CryoGen® box 2D

- Laser-engraved barcode "Code 128" on the side of the box
- Datamatrix 2D Barcode on the bottom of the box, for rack recognition and orientation
- Grids available in 4 colours
- In polycarbonate
- Suitable for storing CryoGen® 2D test tubes
- Lid positioning, guided by 45° inclined corners
- Frosted writing area on the lid and base, for easy writing
- Resistant up to the gaseous phase of liquid nitrogen
- Autoclavable at +121°C for 20 minutes

Automatic rack orientation



One-handed opening



Numbered grid and lid

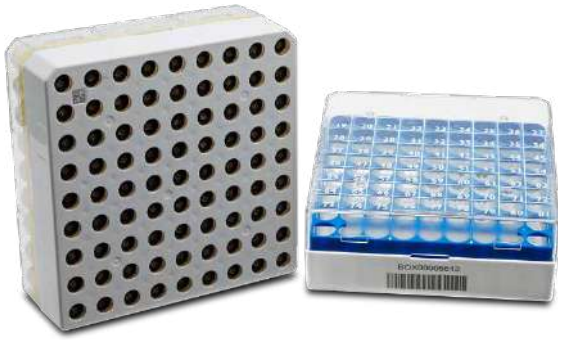


Frosted writing area



Barcode on the side of the rack





81-place 2D box, low bottom



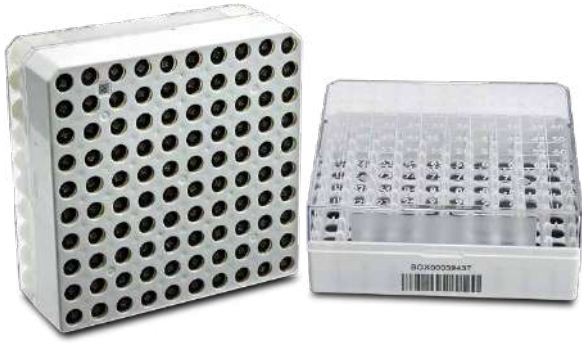
81-place 2D box, high bottom

Box 81 LOW pad printed grid lid 2D for 2 ml tubes

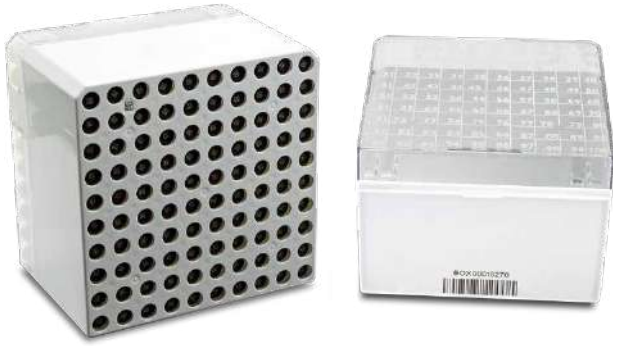
Code	Places	Colour	Dimensions (mm)	Sales units
BSM580612D/AZ	81	Light Blue	132 x 132 x 52	40
BSM580612D/RO	81	Red		
BSM580612D/V	81	Green		
BSM580612D/G	81	Yellow		

Box 81 HIGH pad printed grid lid 2D for 5 ml tubes

Code	Places	Colour	Dimensions (mm)	Sales units
BSM580712D/AZ	81	Light Blue	132 x 132 x 94	32
BSM580712D/RO	81	Red		
BSM580712D/V	81	Green		
BSM580712D/G	81	Yellow		



100-place 2D box, low bottom



100-place 2D box, high bottom

Box 100 LOW pad printed grid lid 2D for 2 ml tubes, intenal cap

Code	Places	Colour	Dimensions (mm)	Sales units
BSM581002D/B*	100	White	132 x 132 x 52	40

***Only compatible with test tubes with internal cap**

Box 100 HIGH pad printed grid lid 2D for 5 ml tubes, internal cap

Code	Places	Colour	Dimensions (mm)	Sales units
BSM581052D/B*	100	White	132 x 132 x 94	32

***Only compatible with test tubes with internal cap**

SBS 48-place rack for 2 and 5 ml CryoGen® Tubes

CLEARLine®

48-place storage rack in ANSI standard format.

- Bottom with windows for Datamatrix scanning applied to the bottom of the test tube
- Linear barcode on the side of the rack
- Datamatrix on the bottom of the rack for correct orientation on the reading scanner
- Easy one-hand opening thanks to the side flaps
- Can be used on automatic decappers
- Can be used on reading scanners
- In polycarbonate
- Stackable

Reading windows in the bottom



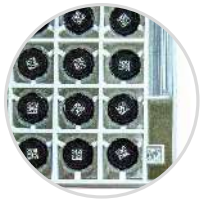
Linear barcode



Easy one-hand opening



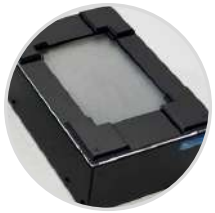
Datamatrix on the bottom of the rack



One-hand screw/unscrew test tubes



Compatible with automatic reading scanners







The CryoGen® tubes 2D contained in the rack are:

- Certified free from human DNA, DNases, RNases, Endotoxin, ATP and PCR inhibitors*
- Sterile SAL 10^{-6} **
- Compliant with IATA regulation PI 650
- Working temperatures: from generic refrigeration (+4°C) to the gaseous phase of liquid nitrogen
- No traces of metals found within the detection limits
- Made of medical grade materials
- Test tube body in polypropylene, bi-injected caps in polyethylene and TPE
- Autoclavable at +121°C for 20 minutes

* Certificate of Analysis downloadable from our website www.biosigma.com
** Validated beta-ray treatment certificate, downloadable from our website

For further information, please refer to the technical data sheet downloadable from our website www.biosigma.com

*** The rack filled with 2 ml CryoGen 2D tubes, is compatible with the Hamilton LabElite ID decapper**



48-place SBS rack with CryoGen® 2D test tubes

Code	Description	Sales units
BSM58048HI	48-place rack with 5 ml CryoGen® 2D test tubes with base - internal cap	10
BSM58048HE	48-place rack with 5 ml CryoGen® 2D test tubes with base - external cap	10
BSM58048LI *	48-place rack with 2 ml CryoGen® 2D test tubes with base - internal cap	20
BSM58048LE *	48-place rack with 2 ml CryoGen® 2D test tubes with base - external cap	20

Empty 48-place SBS racks

Code	Description	Sales units
BSM58048H	48-place rack for 5 ml CryoGen® Tubes 2D	10
BSM58048L	48-place rack for 2 ml CryoGen® Tubes 2D	20

CryoGen® line accessories

Coated cardboard rack

- Dimensions: 133 x 133 mm
- With writing area on the lid
- For freezing down to -196°C



Code	Colour	Height (mm)	Grid	Sales units
010185	White	75	81	1
010186	White	75	100	1
010179	Assorted	50	81	5
010181	Assorted	50	100	5

CLEARLine® white cryogenic box in cardboard

- In hydrophobic cardboard
- Supplied with separators
- Dimensions (mm): 133 x 133 x 50
- 100-place boxes compatible with 0.5/1/2 ml microtubes
- 81-place boxes compatible with CLEARLine® 1/2 ml cryogenic tubes
- Storage temperature: from -196°C to +121°C
- Writable

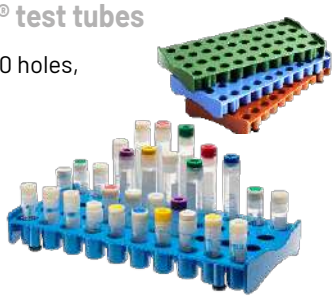


Code	Grid	Sales units
972015	81	1
972016	100	1

Workstation for 40 Cryogen® test tubes

CryoGen® test tube Workstation, 40 holes, polycarbonate.
To screw/unscrew test tubes directly on the bench with one hand.

- Available in 3 colours
- In polycarbonate
- Autoclavable
- Housing for 40 test tubes



Code	Colour	Dimensions (mm)	Sales units
BSM5810/AZ	Blue	L 21.5 D 10.0 H 2.50	5
BSM5810/RO	Red	L 21.5 D 10.0 H 2.50	5
BSM5810/V	Green	L 21.5 D 10.0 H 2.50	5

Writable Cap-Disks

- Available in 6 colours
- Can be used with CryoGen® test tube caps



Code	Colour	Sales units
CRY910TS/BI	White	1000
CRY910TS/AZ	Blue	1000
CRY910TS/G	Yellow	1000
CRY910TS/RO	Red	1000
CRY910TS/V	Green	1000
CRY910TS/VI	Purple	1000

Vial Picker

- Useful for recovering frozen Cryogen® test tubes
- Allows you to
- screw/unscrew
- the Cryogen® test tubes with 1 hand



Code	Colour	Sales units
CRY920TS/B	Blue	600

Cryomarkers

- 4 colours available
- Ideal for writing on cryogenic tubes, cryogenic boxes and cryogenic supports
- Blue, red and black with extra fine tip
- Green with standard tip



Code	Description	Sales units
028123	Pack of 4 cryomarkers, assorted colours (green, blue, red, black)	4
028124	Pack of 4 black cryomarkers	4

Cryogenic tube and goblet holder

- Aluminium shaft that can hold 3 - 6 cryogenic tubes depending on their height. Length: 28 cm



Code	Description	Sales units
055030	Nunc storage rod Aluminium	50

Cryogenic Gloves

Features of standard model:

- Applications: Ultra-cold
- Ultra-low temperature freezers
- Cold room
- Dry ice handling



	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	Sales units
5 fingers 30 cm	035501	035502	035503	035504	1
5 fingers 38 cm	035505	035506	035507	035508	1
5 fingers 50 cm	035509	035510	035511	035512	1
5 fingers 68 cm	035513	035514	035515	035516	1

MICRO TEST TUBES FOR CENTRIFUGE

We offer a wide range of centrifuge test tubes with screw or snap caps, made of high transparency and medical grade raw materials.

They are suitable for various research applications, including molecular and cellular biology, biochemistry, microbiology, physiology, and more.
The test tubes are designed to withstand extreme temperatures and high centrifugal forces, ensuring reliable performance and safety during use. We have different capacities and formats to meet the specific needs of our customers.



The best protection for your samples!

Operators are constantly looking for consumables that meet their needs and allow them to obtain the best results in research laboratories.
Biosigma offers the right solution with a complete line of high quality, tested and certified products.

- 0.5, 1.5 and 2.0 ml standard microtubes
- 0.5, 1.5 and 2.0 ml CLEARLine® microtubes
- 0.5, 1.5, 2.0, 5.0 ml CLEARLock® Microtubes in PP with safety closure
- 0.5, 1.5, 2.0 ml CLEARLine® Low Binding CLEARLock® Microtubes
- CLEARLine® microtubes with screw cap
- Cap Disk
- CLEARLine® Low Binding microtubes with screw cap
- CLEARLine® microtubes without cap
- CLEARLine® Screw caps for microtubes
- 4-Way Rack
- Racks for 80 Microtubes
- MyFuge™ 5 microcentrifuge
- Rack for 100 Microtubes
- Acrylic rack for 5 ml microtubes

0.5, 1.5 and 2.0 ml standard microtubes

- Flat cap for easy writing
- Clear graduation
- Excellent cap sealing
- Can be centrifuged up to 25,000 x g
- Autoclavable open at 121°C (for 20 minutes)
- Transparent polypropylene
- Non-sterile

High Speed Centrifugation



Writable cap





BSA026



BSA021



BSA022



BSA022/V

1.5 Colour Variants

BSA022/RA

BSA022/G

BSA022/BLU



BSA0269

Code	Colour	Vol. (ml)	Dim. (cm)	With cap	Units/ Bags	Sales units
BSA026	Neutral	0.5	H 3.10 Ø 0.78	X	1000	10000
BSA026/AM	Amber	0.5	H 3.10 Ø 0.78	X	1000	10000
BSA021	Neutral	1.5	H 4.10 Ø 1.08		1000	10000
BSA0269	Neutral	2.0	H 4.20 Ø 1.08	X	1000	8000
BSA0269/AM	Amber	2.0	H 4.20 Ø 1.08	X	1000	8000

Code	Colour	Vol. (ml)	Dim. (cm)	With cap	Units/ Bags	Sales units
BSA022	Neutral	1.5	H 4.10 Ø 1.08	X	500	8000
BSA022/AM	Amber	1.5	H 4.10 Ø 1.08	X	500	8000
BSA022/BLU	Blue	1.5	H 4.10 Ø 1.08	X	1000	10000
BSA022/G	Yellow	1.5	H 4.10 Ø 1.08	X	1000	10000
BSA022/RA	Pink	1.5	H 4.10 Ø 1.08	X	1000	10000
BSA022/V	Green	1.5	H 4.10 Ø 1.08	X	1000	10000

0.5, 1.5 and 2.0 ml CLEARLine® microtubes

CLEARLine®



- Flat cap for easy writing
- Clear graduation
- Excellent cap sealing
- Can be centrifuged up to 25,000 x g
- Autoclavable open at 121°C (for 20 minutes)
- Transparent polypropylene
- Non-sterile
- Free from DNases, RNases, Endotoxins, human DNA, PCR inhibitors and ATP

Code	Colour	Vol. (ml)	Units/ Bags	Sales units
CL026	Neutral	0.5	500	2000
CL026/AM	Amber	0.5	500	2000
CL022	Neutral	1.5	500	1000
CL022/AM	Amber	1.5	500	1000
CL0269	Neutral	2.0	500	1000
CL0269/AM	Amber	2.0	500	1000

CLEARLine® box



Resealable zip bags



High Speed Centrifugation



Writable cap





CL026



CL022



CL0269



CL026/AM



CL022/AM



CL0269/AM

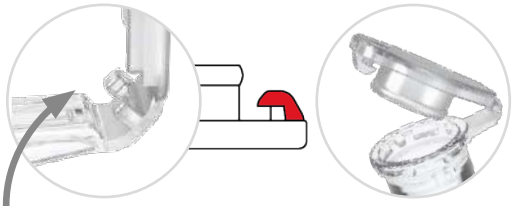
0.5 • 1.5 • 2.0 • 5.0 ml CLEARLock® Microtubes in PP with safety closure

CLEARLock® centrifuge microtubes, in medical grade polypropylene, combine the safety of a microtube with screw cap and the convenience of a tube with a pressure cap, ensuring high protection during use. They avoid accidental cap opening and prevent loss or evaporation of the sample, ensuring its integrity.

CLEARLine®

Human DNA · DNase RNase · Endotoxin · ATP · PCR Inhibitors · METALS · MEDICAL GRADE

Safety closure



CLEARLine® box



Resealable zip bags



High Speed Centrifugation



Writable cap



YouTube

- Made of medical grade polypropylene
- Optimal transparency
- Can be centrifuged
- Use temperature from -80°C to +100°C
- Autoclavable open at +121°C for 20 minutes
- Packaged in resealable zip bags
- Graduated, with writing area
- Cap with writing area and pierceable
- Single-use
- Sterile (SAL 10^{-6})
- No traces of metals found within the detection limits



0.5 ml



1.5 ml



2.0 ml



5.0 ml

CLEARLock® Microtubes in PP with safety closure

Code	Colour	Volume (ml)	Units/Bags	Sales units
CL05.001.0500	Neutral	0.5	Bag of 500	500
CL15.002.0500	Neutral	1.5	Bag of 500	1000
CL20.002.0500	Neutral	2.0	Bag of 500	1000
CL50.002.0100	neutral	5.0	Bag of 100	200

CLEARLock® Microtubes in PP with safety closure, STERILE

Code	Colour	Volume (ml)	Units/Bags	Sales units
CL05.050.0001S	Neutral	0.5	Single	50
CL15.100.0001S	Neutral	1.5	Single	100
CL20.100.0001S	Neutral	2.0	Single	100
CL05.005.0100S	Neutral	0.5	Bag of 100	500
CL15.004.0050S	Neutral	1.5	Bag of 50	200
CL20.004.0050S	Neutral	2.0	Bag of 50	200
CL50.050.0001S	neutral	5.0	Single	50
CL50.010.0020S	neutral	5.0	Bag of 20	200

Low binding CLEARLock®



CLEARLine® Low Binding CLEARLock® Microtubes

Avoiding possible sample losses is crucial for the success of experiments, especially when volumes are small, concentrations are low or in any application where the protocols require numerous steps.
With the aim of preventing non-specific interactions between the sample and the microtubes, Biosigma has created the new CLEARLine® Low Binding CLEARLock® line.
The new microtubes are designed to minimise interactions with proteins and nucleic acids without the use of surface coatings or additives. They allow almost total sample recovery even after several manipulations.
Low Binding microtubes for Proteins and DNA are the ideal solution for both preparation and long-term preservation of samples and help researchers obtain reproducible and reliable results.

Low Binding microtubes for centrifuge

0.5 • 1.5 • 2.0 ml Low Binding CLEARLock® Microtubes with safety closure

Main Features:

- High recovery of Proteins and Nucleic Acids
- The cap prevents any involuntary opening during use
- The safety closure prevents evaporation during long-term storage and heating of samples
- Writable and pierceable cap
- Graduated, with writing area
- Excellent transparency
- Temperature range from -80°C to + 100°C
- Autoclavable at +121°C for 20 minutes
- Bags with opening and closing system
- Particularly suitable for molecular biology and biochemistry
- In medical polypropylene, Non-Cytotoxic – Non-Haemolytic Suitable for the storage of chemical and biological samples
- Certified batches* free from human DNA, DNases, RNases, Endotoxins, ATP, and PCR inhibitors
- No traces of metals found within the detection limits



CLEARLine® Box



Protein Low Binding CLEARLock® Microtubes

Code	Feature	Volume (ml)	Units/ Bags	Sales units
CL05.0100PLB	Protein Low Binding	0.5	100	500
CL15.0050PLB	Protein Low Binding	1.5	50	200
CL20.0050PLB	Protein Low Binding	2.0	50	200

DNA Low Binding CLEARLock® Microtubes

Code	Feature	Volume (ml)	Units/ Bags	Sales units
CL05.0100DLB	DNA Low Binding	0.5	100	500
CL15.0050DLB	DNA Low Binding	1.5	50	200
CL20.0050DLB	DNA Low Binding	2.0	50	200

CLEARLine®



* Certificate of Analysis downloadable from our website www.biosigma.com

CLEARLine® microtubes with screw cap

CLEARLine®

CLEARLine® screw cap microtubes, produced by Biosigma, are the ideal solution for both the preparation and long-term preservation of samples. The combination of the polyethylene cap and the polypropylene test tube, facilitates screwing and prevents adhesion caused by using the same material for both components. The screw closure ensures maximum reliability, making them particularly suitable for use with radioactive materials, infectious agents or expensive reagents. These microtubes are available in 6 versions with conical or self-standing bottom (0.5 - 1.5 and 2 ml) and offer the choice between 3 types of caps, available in different colours to facilitate sample identification and further customise the user's needs.



CLEARLine® screw cap centrifuge microtubes are certified free from DNases, RNases and Endotoxins by our internal laboratory.

You can download the specific certificate for the batch from the certificates section on our website.

- **They resist high centrifugation speeds up to 25,000 x g and temperatures ranging from -85°C to +121°C**
- **Autoclavable open at 121°C for 20 minutes**
- **ext. Ø 10.2 mm ± 0.23; int. Ø 8.5 mm ± 0.21**
- **Test tube in medical grade polypropylene, cap in medical grade polyethylene, O-ring in medical grade thermoplastic rubber; materials tested in accordance with European Pharmacopoeia, ISO 10993, U.S. Pharmacopeia (USP) Class VI and with Drug Master File (DMF) filed with the FDA**
- **Beta-ray sterilised with validated method that guarantees a Sterility Assurance Level (SAL) of 10^{-6}**
- **No traces of metals found within the detection limits**

CLEARLine® 0.5 ml screw cap microtubes, sterile capped with o-ring



CL604/S CL606/S CL614/S CL616/S

Code	Base	With hinged cap	O-Ring	Units/Bags	Sales units
CL604/S			X	500	1000
CL606/S		X	X	500	1000
CL614/S	X		X	500	1000
CL616/S	X	X	X	500	1000

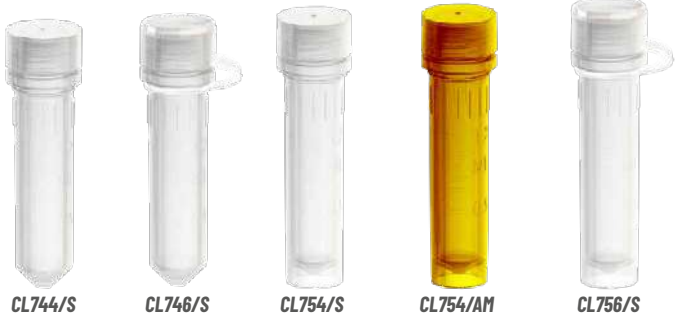
CLEARLine® 1.5 ml screw cap microtubes, sterile capped with o-ring



CL724/S CL726/S CL734/S CL736/S

Code	Base	With hinged cap	O-Ring	Writing area	Units/Bags	Sales units
CL724/S			X	X	500	1000
CL726/S		X	X	X	500	1000
CL734/S	X		X	X	500	1000
CL736/S	X	X	X	X	500	1000

CLEARLine® 2.0 ml screw cap microtubes, sterile capped with o-ring



Code	Colour	Base	With hinged cap	O-Ring	Writing area	Units/ Bags	Sales units
CL744/S	Neutral			X	X	500	1000
CL746/S	Neutral		X	X	X	500	1000
CL754/S	Neutral	X		X	X	500	1000
CL754/AM*	Amber	X		X	X	1000	3000
CL754/SAM	Amber	X		X	X	500	1000
CL756/S	Neutral	X	X	X	X	500	1000

* non-sterile

Cap Disk

- Allows you to diversify and organise your microtubes according to your needs
- They can be inserted into screw caps with a compartment for a coloured disk



CLEARLine® Accessories

Code	Colour	Units/ Bags	Sales units
BSM910/AZ	Light Blue	500	1000
BSM910/BI	White	500	1000
BSM910/G	Yellow	500	1000
BSM910/RA	Pink	1000	3000
BSM910/RO	Red	500	1000
BSM910/V	Green	500	1000

CLEARLine® DNA Low Binding microtubes with screw cap

- High nucleic acid recovery
- Sterile
- Temperature range from -85°C to +121°C
- Autoclavable at +121°C for 20 minutes
- Suitable for all Molecular Biology applications
- Free from human and bacterial DNA, DNases, RNases, Endotoxins and PCR inhibitors
- No traces of metals found within the detection limits

Code	Description	Bottom	Unit/ Bag	Sales units
CL724SDLB	1.5 ml DNA Low Binding Microtube	Conical	500	1,000
CL734SDLB	1.5 ml DNA Low Binding Microtube	With base	500	1,000
CL744SDLB	2 ml DNA Low Binding Microtube	Conical	500	1,000
CL754SDLB	2 ml DNA Low Binding Microtube	With base	500	1,000

CLEARLine® Protein Low Binding microtubes with screw cap

- High protein recovery
- Sterile
- Temperature range from -85°C to +121°C
- Autoclavable at +121°C for 20 minutes
- Suitable for all Biochemistry applications
- Free from human and bacterial DNA, DNases, RNases, Endotoxins and PCR inhibitors
- No traces of metals found within the detection limits

Code	Description	Bottom	Units/ Bags	Sales units
CL724SPLB	1.5 ml Protein Low Binding Microtube	Conical	500	1,000
CL734SPLB	1.5 ml Protein Low Binding Microtube	With base	500	1,000
CL744SPLB	2 ml Protein Low Binding Microtube	Conical	500	1,000
CL754SPLB	2 ml Protein Low Binding Microtube	With base	500	1,000

CLEARLine® microtubes without cap



Code	Heights	Volume (ml)	Base	Writing area	Unit/ Bag	Sales units
CL600	4.54	0.5			1000	3000
CL610	4.62	0.5	X		1000	3000
CL720	4.54	1.5		X	1000	3000
CL730	4.62	1.5	X	X	1000	3000
CL740	4.56	2.0		X	1000	3000
CL750	4.70	2.0	X	X	1000	3000

CLEARLine® screw caps for microtubes

- Made of medical grade virgin polyethylene

Colour	Screw cap with o-Ring	Screw cap with insert for coloured disc and o-Ring	Screw cap with insert for coloured disc, tie and o-Ring
			
H-mm ± 0.21	6.8	8.2	8.2
Diam.-mm ± 0.23	13.2	13.2	13.2
Neutral	CL810	CL811	CL812
Light Blue	CL810/AZ	CL811/AZ	CL812/AZ
White	CL810/BI	CL811/BI	CL812/BI
Yellow	CL810/G	CL811/G	CL812/G
Pink	CL810/RA	CL811/RA	CL812/RA
Red	CL810/RO	CL811/RO	CL812/RO
Green	CL810/V	CL811/V	CL812/V
Units/Bags	Bag / 1000	Bag / 1000	Bag / 1000
Sales units	3000	3000	3000

4-Way Rack

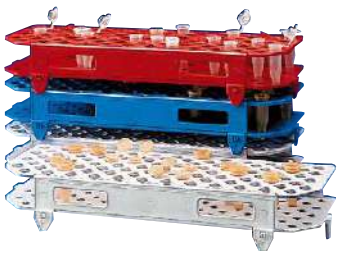


Polypropylene rack, autoclavable at 121°C, arranged on 4 tiers:

- Base tier: 12 holes for 0.2 ml microtubes
- Second tier: 14 holes for 0.5 ml microtubes
- Third tier: 12 holes for 1.5 and 2 ml microtubes
- Top tier: the last row is composed of 5 attachment holes that can be used as a workstation for microtubes of any volume. They can be screwed/unscrewed with just one hand, thanks to the special internal shape of the housing

Code	Colour	Dimensions (cm)	Sales units
BSM5827/AZ	Light Blue	L 18.5 D 12.0 H 5.50	8
BSM5827/RO	Red	L 18.5 D 12.0 H 5.50	8
BSM5827/V	Green	L 18.5 D 12.0 H 5.50	8

Rack for 100 Microtubes



Polypropylene rack for 100 1.5 and 2 ml microtubes.

- Supplied flat (to be assembled)
- Stackable
- Marking surface on both lengths
- Autoclavable
- Alphanumeric localisation on the tray
- Available colours: white, blue, yellow, red
- Dimensions: 110 x 263 x 45 mm

Code	Colour	Dimensions (mm)	Sales units
391070	White	110 x 263 x 45	1
391071	Blue	110 x 263 x 45	1
391072	Yellow	110 x 263 x 45	1
391073	Red	110 x 263 x 45	1

Racks for 80 Microtubes

Rack



Rigid rack for 80 1.5 ml or 2 ml microtubes. Dimensions L x D x H: 272 x 65 x 27 mm.

- Alphanumeric references
- Handles on the sides
- For use at temperatures ranging from -90°C to 121°C (autoclavable)

Standard colour racks			Fluorescent colour racks		
Code	Colour	Sales units	Code	Colour	Sales units
840515	Neutral	1	840523	Fluorescent yellow	1
840519	Yellow	1	840524	Fluorescent orange	1
840520	Orange	1	840525	Fluorescent pink	1
840518	Red	1	840526	Fluorescent blue	1
840521	Purple	1	840527	Fluorescent green	1
840516	Blue	1			
840530	Green	1			
840522	Black	1			
840528	Assorted	5	840529	Assorted	5

Acrylic rack for 5 ml microtubes

- In transparent acrylic
- For 20 x 5 ml test tubes
- Two-tier rack holder



Code	Description	Sales units
141397	Acrylic rack for 20 x 5 ml microtubes	1

MyFuge™ 5 microcentrifuge

The myFuge™ 5 microcentrifuge includes a four-position rotor compatible with a variety of 5 ml test tubes, including 5 ml snap-cap centrifuge test tubes. Additionally, this combo rotor has four additional slots for centrifugation of standard microtubes (1.5/2.0 ml). Simply close the lid and the centrifuge will quickly accelerate to a fixed speed of 5,500 rpm. Open the lid and the rotor will decelerate to a stop for removing the samples.

- For rapid centrifuging of 5 ml and 1.5 / 2 ml tubes
- Includes adapters for 12 x 75 mm tubes
- Starts and stops by closing / opening the lid
- Capacity: 4 x 5 ml and 4 x 1.5 / 2 ml



062586

Code	Description	Sales units
062586	MyFuge 5, microcentrifuge	1
060974	Adapter for 0.5 ml microtubes	6
060975	Adapter for 0.2 ml microtubes	6
062589	Adapter for 0.5 ml microtubes, 2 ml cryogenic tubes and 1.5 - 2 ml HPLC tubes	4



1.2_ INSTRUMENTATION ITEMS

Biosigma manufactures optical cuvettes compatible with various clinical chemistry analysers such as:

- **Cobas-Mira® type cuvettes**
- **Hitachi® type cuvettes**
- **12-cell cuvette**
- **Express® type cuvettes**
- **Cuvettes and cups for instrumentation**
- **Semi-micro and Macro cuvettes**
- **Reducers for test tubes**

Our products are made with high quality and transparent raw materials. We test our cuvettes with the relevant chemistry analysers in our internal laboratory during production.



Semi-micro and Macro cuvettes

Single-use spectrophotometer cuvettes

Single-use plastic cuvettes that replace fragile glass or quartz cuvettes in many applications.
Designed for single use, they eliminate time-consuming washing and the risk of cross-contamination associated with reusing cuvettes.

- In crystal polystyrene or methacrylate
- Optimal results on transmittance and absorbance tests compared to the most well-known brands on the market
- Optical path: 10 mm
- Maximum variability between the two walls of the same cuvette: <1%
- An arrow helps the correct insertion into the spectrophotometer housing
- Can be used on most commercial spectrophotometers





Macro

Code	Material	Dimensions (cm)	Units/Bags	Sales units
BSA001	Polystyrene	H 4.40 L 1.25	rack / 100	1000
BSA001M	Methacrylate	H 4.40 L 1.25	rack / 100	1000

Semi-micro

Code	Material	Dimensions (cm)	Units/Bags	Sales units
BSA002	Polystyrene	H 4.42 L 1.23	rack / 100	1000
BSA002M	Methacrylate	H 4.42 L 1.23	rack / 100	1000

Cuvettes usable on Cobas-Mira®





BSA84



BSA85

Microtubes in PE usable on Cobas®-Mira®

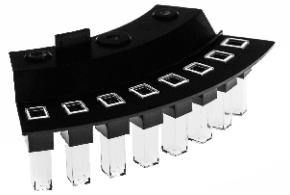
Code	Colour	Units/Bags	Sales units
BSA024	Neutral	500	10000
BSA024/BLU	Blue	1000	12000
BSA024/G	Yellow	1000	12000
BSA024/RA	Pink	1000	12000
BSA024/V	Green	1000	12000

Cobas® and Integra® are registered trademarks of Roche Diagnostics

Cobas-Mira® cuvettes

Code	Description	Sales units
BSA84	12-place methacrylate cuvette individually packaged	500
BSA85	12-place methacrylate cuvette on rack, in 15-piece rack	450

Cuvettes usable on Hitachi®



Cuvettes usable on Hitachi® 902 in bionex

Code	Units/Bags	Sales units
BSA094	6 sectors with 8 cells	24 (4 sets with 6 sectors)



Cuvettes usable on Hitachi® 911/912 in bionex

Code	Units/Bags	Sales units
BSA098	6 sectors with 20 cells	24 (4 sets with 6 sectors)



Cuvettes usable on Hitachi® 717 in methacrylate

Code	Units/Bags	Sales units
BSA096	6 sectors with 20 cells	24 (4 sets with 6 sectors)



3 ml polystyrene sample cup

Code	Dimensions (cm)	Units/Bags	Sales units
BSA031S	H 3.81 Ø 1.21, Ø 1.70 (max)	250	6000



Single bionex cuvette compatible with BSA094 and BSA098

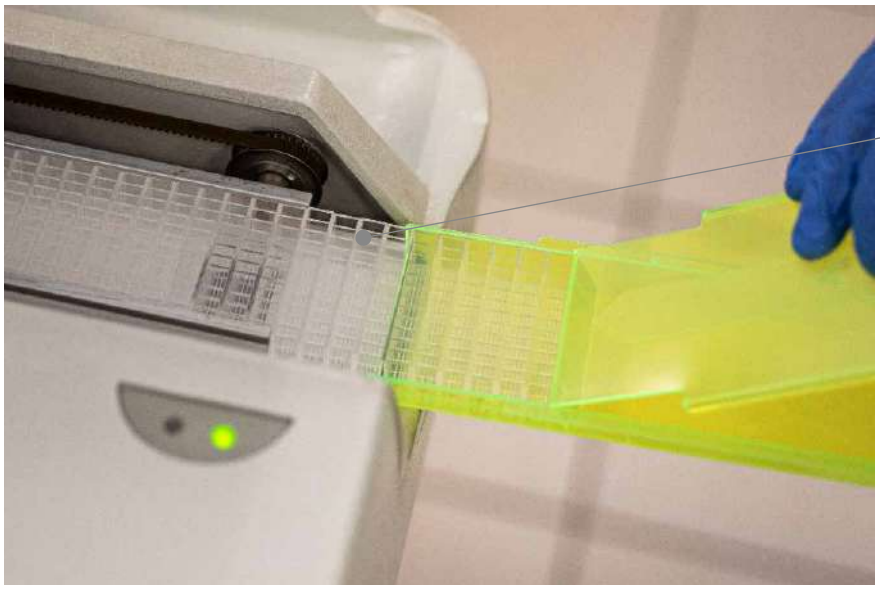
Code	Dimensions (cm)	Sales units
BSA108	H 2.80 L 0.79 D 0.62	200-piece tray

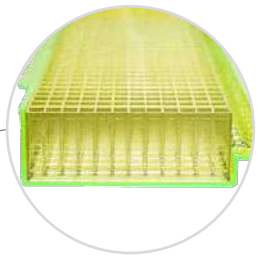


Paediatric sample cup usable on: Hitachi®, Elecsys®, Cobas Integra® and Core®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA86	H 3.22 Ø 0.90, Ø 1.67 (max) Ø bottom 1.23	500	5000

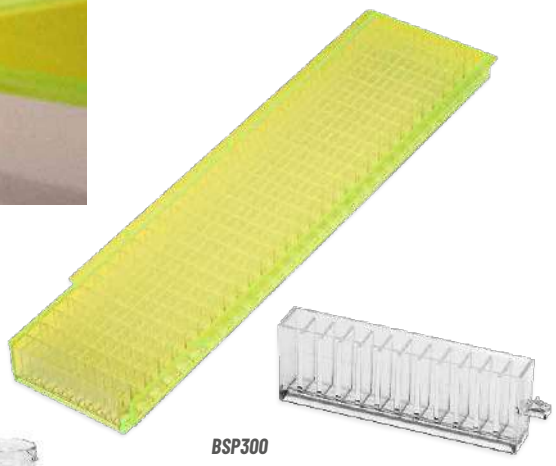
12-cell cuvette usable on Konelab





12-cell methacrylate cuvette

Code	Units/Bags	Sales units
BSP300	rack of 30 pcs	900



BSP300

1.5 ml polystyrene sample cup usable on Technicon®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA027	H 2.30 Ø 1.36	1000	10000



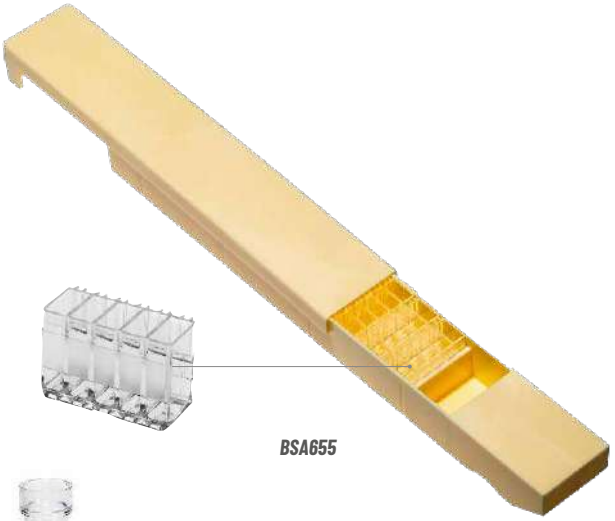
BSA027

Cuvettes usable on Express®

5-cell cuvettes in 13-piece holder, usable on EXPRESS® 550 and PLUS. EXPRESS® is a registered trademark of Bayer.

CEX sample cup in polystyrene, in rack, usable on Express® 550 and PLUS

Code	Units/Bags	Sales units
BSA655	13-pieces rack	box /200 racks



BSA655

CEX sample cup in polystyrene usable on Express® 550 and PLUS

Code	Dimensions (cm)	Units/Bags	Sales units
BSA658	H 1.91 Ø 1.25	1000	12000



BSA658

CEX paediatric sample cup in polystyrene usable on Express® 550 and PLUS

Code	Dimensions (cm)	Units/Bags	Sales units
BSA659	H 1.91 Ø 1.25	1000	12000



BSA659

Cuvettes and cups for instrumentation



Sample cup in Polystyrene usable on OLYMPUS® AU400/AU640

Code	Dimensions (cm)	Units/Bags	Sales units
BSA651	H 4.90 Ø 1.37 (max Ø 1.54)	1000	3000



Sample cup in polystyrene usable on ABBOT® AXSYM

Code	Dimensions (cm)	Units/Bags	Sales units
BSA046	H 5.30 Ø 1.18, Ø 1.74 (max)	1000	4000



4 ml sample cup in polystyrene usable on TECHNICON®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA045	H 3.78 Ø 1.53	500	5000



0.25 ml sample cup in polystyrene usable on CENTRIFICHEM®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA029	H 1.62 Ø 1.36	1000	10000



1.5 ml sample cup in polystyrene usable on TECHNICON®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA027	H 2.30 Ø 1.36	1000	10000



0.5 ml sample cup in polystyrene usable on GENSEAC®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA030	H 2.43 Ø 1.36	1000	10000



Coagulation cuvette in polystyrene usable on OPTION®, BENK® and TROMBOTIMER®

Code	Dimensions (cm)	Metal sphere	Units/ Bags	Sales units
BSA73	H 2.24 Ø 0.86		1000	5000
BSA731	H 2.24 Ø 0.86	X	1000	5000



Cup with octagonal upper profile

Code	Dimensions (cm)	Units/Bags	Sales units
BSA5258	H 2.90 Ø 0.80	1000	12000



Coagulation cuvette in polystyrene usable on ACCU® COA DATA with separate metal anchor

Code	Dimensions (cm)	Units/Bags	Sales units
BSA74	H 3.51 Ø 0.86	1000	5000



Coagulation cuvette in polystyrene with separate metal anchor usable on SEAC® CLOT S2

Code	Dimensions (cm)	Units/Bags	Sales units
BSA77	H 3.47 Ø 1.34 (max)	100	1000



Sample cup in polypropylene usable on BIOTECNICA® APPARATUS

Code	Dimensions (cm)	Units/Bags	Sales units
BSA69	H 2.00 Ø 1.08	2000	20000



Sample cup in polystyrene with separate metal sphere usable on FIBRINTIMER®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA032	H 3.45 Ø 1.16	500	10000



Coagulation cuvette in polystyrene usable on COAG-MAT®

Code	Dimensions (cm)	Units/Bags	Sales units
BSA102	H 2.34 Ø 1.00	1000	5000



Sample cup in polystyrene type A. A.

Code	Dimensions (cm)	Volume (ml)	Units/Bags	Sales units
BSA88	H 4.9 Ø 1.98	2	500	5000

Abbott Axsym® is a registered trademark.

Reducers for test tubes

Reducers for test tubes diameter 13 mm or 16 mm in polystyrene.



BSA636S *BSA646S*

Code	Volume (ml)	Diameter (mm)	Dimensions (cm)	Units/Bags	Sales units
BSA636S	1	13	H 2.97 Ø 0.94 (max Ø 1.38)	500	10000
BSA646S	2	16	H 2.97 Ø 1.24 (max Ø 1.67)	1000	8000



1.3_LIQUID DISPENSING

High quality products for handling liquids in the laboratory. Whether you need pipettes, tips, dispensers or accessories, our products are specifically designed to ensure precision, accuracy and reliability for your experiments.

- **Micropipettes**
- **Tips**
- **CLEARLine® serological pipettes**
- **Pipette dispensers**
- **Pasteur Pipettes • Reservoirs**



Automatic and manual pipette dispenser

Features of the BS400200 automatic pipette dispenser

- Can be used with most 0.1 - 100ml plastic and glass pipettes
- Six speeds for aspiration and dispensing
- Large LCD display showing low battery warning and speed settings
- One-handed activation with minimal effort
- Lightweight and ergonomic design for easy use
- High capacity lithium-ion battery for longer operating time
- Low battery indicator
- Powerful motor allows filling a 25 ml pipette in less than 5 seconds
- Replaceable 0.45 µm water repellent filter
- Battery rechargeable during use



Technical specifications of the BS400200 automatic pipette dispenser

Aspiration speed	25 ml < 5s (6 speeds)
Dispensing speed	Motor (6 speeds) + gravity
Battery	Lithium
Battery life	8 hours of intermittent use
Charging time	Approximately 2-3 hours
Type of Pipettes to use	Plastic or glass pipettes (0.1 - 100 ml), Pasteur pipettes
Filter	0.45µm water repellent
Weight	200g

Features of the 86100 manual pipette controller

- Convenient and easy to use
- Precise pipetting control
- Sturdy and lightweight
- Easy and quick maintenance
- Suitable for all types of pipettes, plastic or glass, from 0.1 to 100 ml
- 3 µm replacement filter
- Available in 2 colours



Features of the ABS028 rubber bulb

- Universal rubber bulb, equipped with three spherical valves adaptable to any glass or plastic pipette, for aspiration and subsequent dispensing of liquids
- The special rubber connection (adapter) supplied allows it to be used even with pipettes with a capacity greater than 20 ml
- By detaching this connection, it can also be adapted to pipettes with a capacity below 20 ml

Code	Description	Sales units
BS400200	Levo Plus Pipetting pipette controller	1
BS400201	0.45 µm replacement filter for Levo Plus Pipetting	1
BS400206	Replacement silicone adapter for Levo Plus Pipetting	1
861001	Red manual pipette controller	1
861003	Yellow manual pipette controller	1
ABS028	Three-way rubber bulb	1

Serological pipettes

CLEARLine® Human DNA DNase RNase Endotoxin NON Cytotoxic

- In crystal polystyrene
- Available volumes: 1, 2, 5, 10, 25, 50 and 100* ml
- With reverse and negative graduation
- Batch and expiry date printed on individual peel packs
- Beta-sterilised in single or multipack (SAL 10^{-6})
- Multi-packaging in 25-piece zip-bag or single in easy-to-open paper/plastic peel pack
- Colour coded by volume for quick identification
- Free from human DNA, DNases, RNases, Endotoxins



COLOUR CODED BY VOLUME IN BOXES

1.0 ml *CL100/CL105*



2.0 ml *CL101/CL106*



5.0 ml *CL102/CL107*



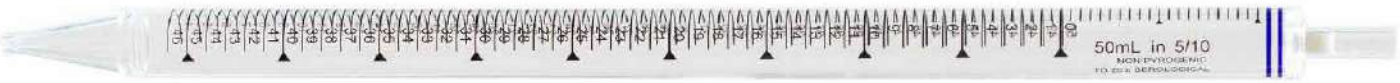
10 ml *CL103/CL108*



25 ml *CL111/CL109*



50 ml *CL112/ CL110).*



100 ml *CL113/CL117*







Sterile single packaging

Code	Colour	Volume (ml)	Divisions	Units/Bags	Sales units
CL100	Yellow	1	1 / 100	100	1000
CL101	Green	2	1 / 100	100	800
CL102	Light Blue	5	1 / 10	50	300
CL103	Orange	10	1 / 10	50	200
CL111	Red	25	2 / 10	50	200
CL112	Purple	50	5 / 10	25	100
CL113	Pink	100	1 ml	25	50

Sterile multiple packaging

Code	Colour	Volume (ml)	Divisions	Units/Bags	Sales units
CL105	Yellow	1	1 / 100	25	1000
CL106	Green	2	1 / 100	25	800
CL107	Light Blue	5	1 / 10	25	500
CL108	Orange	10	1 / 10	25	350
CL109	Red	25	2 / 10	25	350
CL110	Purple	50	5 / 10	25	100
CL117	Pink	100	1 ml	25	50

Manual micropipettes

HPpettePlus® Fully **Autoclavable**

Features

- Fully autoclavable
- Air-displacement mechanical pipette
- Range from 0.1 µl to 5000 µl
- Fixed or variable volume
- Volume readout window visible on the side of the pipette







Fixed volume micropipette

Code	Vol. (µl)	Sales units
ABS119HPA	5	1
ABS120HPA	10	1
ABS121HPA	20	1
ABS1210HPA	25	1
ABS122HPA	50	1
ABS123HPA	100	1
ABS124HPA	200	1
ABS1241HPA	500	1
ABS125HPA	1000	1

Variable volume micropipette

Code	Vol. (µl)	Sales units
ABS1261HPA	0.1 - 2.5	1
ABS126HPA	0.5 - 10	1
ABS128HPA	2 - 20	1
ABS129HPA	5 - 50	1
ABS1290HPA	10 - 100	1
ABS131HPA	20 - 200	1
ABS1310HPA	50 - 200	1
ABS1311HPA	100 - 1000	1
ABS132HPA	200 - 1000	1
ABS127HPA	1000 - 5000	1

Multichannel variable volume

- Fully autoclavable
- Multichannel variable volume pipette
- Air-displacement mechanical pipette
- Volume readout window visible on the side of the pipette

Code	Vol. (µl)	Sales units
ABS136HPA	0.5 -10	1
ABS133HPA	5 - 50	1
ABS135HPA	50 - 300	1

1.3 _LIQUID DISPENSING

Micropipette rack

- Suitable for all HPpette Plus pipette models
- 5 places
- Stand type



Code	Description	Sales units
861006	HPpette Plus micropipette rack	1

- Carousel holder with smooth and comfortable rotation
- Holds up to 6 HPpette Plus



Code	Description	Sales units
861055	Carousel pipette holder	1

25, 50 and 100 ml reservoirs

- White medical grade polystyrene
- Sterile version in single or 5-piece pack
- Non-sterile version in 100-piece pack
- Certified free from RNases, DNases, human DNA, Endotoxins
- Sterile SAL 10^{-6}
- 4-corner pour spouts
- Graduated on the two internal walls (precision +/-5 %)
- V-shaped bottom for maximum sample recovery

ClearLine® Human DNA DNase RNase Endotoxin



Standard in white polystyrene

Vol. (ml)	Non-sterile bag / 100	Sales units	Sterile bag / 1	Sales units	Sterile bag / 5	Sales units
25	097805	100	097801	100	097800	200
50	097819	100	097802	100	097803	200
100	097804	100	087806	100	087807	200

Ripettes and dispenser Tips 3D

Pipette dispenser

Dispenser pipette for up to 48 doses from 1 µl to 5 ml.

- Practical, convenient, lightweight (100 g)
- Easily adjustable volumes and distribution doses
- Maintenance-free



Code	Description	Sales units
070539	Ripette dispenser pipette	1

Dispenser Tips

The Dispenser Tips 3D are used for the repetitive distribution of volumes between 10 µl and 5 ml and adapt perfectly to the Eppendorf Multipette 4780. They are available in six volumes: 0.5, 1.25, 2.5, 5, 12.5, 25 and 50 ml non-sterile. The Dispenser Tips 3D are made of polypropylene and graduated.

Code	Description	Sales units
070501	0.5 ml Dispenser Tip 3D	100
070502	1.25 ml Dispenser Tip 3D	100
070503	2.5 ml Dispenser Tip 3D	100
070504	5 ml Dispenser Tip 3D	100
070505	12.5 ml Dispenser Tip 3D	100
070507	25 ml Dispenser Tip 3D	25
070506	50 ml Dispenser Tip 3D	25
071385	25 ml adapter	1
071386	50 ml adapter	1



Non-filter tips

- In polypropylene
- Autoclavable at +121°C
- Compatible with most micropipettes (see compatibilities)
- Supplied in bags, racks or blister packs



Example of bulk tips in bag



Example of 0-200 µl tips in rack



Example of 1000 µl tips in rack

P.S. The images are not to scale and are for illustration purposes only

Tips type EPPENDORF®

Photo	Code	Autoclavable Rack	Volume (µl)	Colour	Compatibility	Sterile	Units/Bags	Sales units
	BSR062		0.5-10	Neutral	Eppendorf® Crystal		1000-piece bag	25000
	BSR062R							1000
	BSR063	X					96-piece rack	9600
	BSR0625		2-20		Eppendorf® - Gilson® - Socorex® - Htl® - Nichiryo®	X	5-piece blister pack	1000
	BSR001		0-200	Yellow	Eppendorf® - Socorex® - Brand®		1000-piece bag	25000
	BSR001R							1000
	BSR0412	X					96-piece rack	960
	BSR011		5-100		Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labsystem® - Excalibur® - HTL® - Finnpipette®	X	5-piece blister pack	3000
	BSR002		100-1000	Blue	Eppendorf® - Gilson® - Brand® - Socorex®		500-piece bag	10000
	BSR002R							500
	BSR0422	X					96-piece rack	960
	BSR012		100-1000		Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labsystem® - Excalibur® - Finnpipette®	X	5-piece blister pack	1000
	BSR080		1000-5000	Neutral	Eppendorf® - Socorex® Acura® - Biohit® - Oxford®		250-piece bag	2000

GILSON® type tips

Photo	Code	Autoclavable Rack	Volume (µl)	Colour	Compatibility	Sterile	Units/Bags	Sales units
	BSR064		0.1 - 10	Neutral	Gilson® - Eppendorf® - Socorex® - Nichiryo® - Jencons® - Biohit® Old Model - Elakay® - HTL® - Finnpipette®		1000-piece bag	10000
	BSR064R							1000
	BSR076	X					96-piece rack	960
	BSR066		0-200	Yellow	Gilson®		1000-piece bag	25000
	BSR066R							1000
	BSR0665		5-200		Gilson® - Eppendorf® - Socorex® - HTL® - Nichiryo®	X	5-piece blister pack	1000
	BSR067		100-1000	Blue	Gilson® - Eppendorf® - Socorex® - HTL® - Nichiryo®		1000-piece bag	10000
	BSR067R							1000
	BSR075	X					96-piece rack	960

MLA® type tips

Photo	Code	Autoclavable Rack	Volume (µl)	Colour	Compatibility	Sterile	Units/Bags	Sales units
	BSR008		10-200	Neutral	MLA® - Oxford®		1000-piece bag	12000
	BSR048/N	X					192-piece rack	960
	BSR018					X	5-piece blister pack	2000
	BSR009		101-1000	Neutral	MLA® - Finnpipette® Colour model		1000-piece bag	10000
	BSR049/N	X	250-1000				192-piece rack	960
	BSR019		101-1000		MLA®	X	5-piece blister pack	500

Oxford® type tips

Photo	Code	Volume (µl)	Colour	Compatibility	Sterile	Units/Bags	Sales units
	BSR004	5-200	Neutral	Oxford® slim line - Diamed®		1000-piece bag	10000
	BSR014				X	5-piece blister pack	1000
	BSR007	101-1000	Blue	Oxford®		1000-piece bag	10000
	BSR017				X	5-piece blister pack	500

Empty racks including a plate for tips



- In biodegradable polypropylene
- Excellent mechanical resistance
- Compliant with food contact
- Unaltered thermal resistance
- Autoclavable at +121°C
- With 96-place rack plate
- No release of heavy metals

Code	Description	Dimensions (mm)	Biosigma compatible tips	Sales units
BSR9940/B	Empty box for tips up to 10 µl	98 x 133 x 60	BSR062 – BSR064	10
BSR9941/B	Empty box for tips up to 200 µl	98 x 133 x 60	BSR001	10
BSR9942/B	Empty box for tips up to 1000 µl	98 x 133 x 80	BSR002 – BSR067	10

STANDARD TIP COMPATIBILITY WITH HPPETTE PLUS MICROPIPETTES

Match the right tip to every HPpette Plus

STANDARD TIPS

		X = compatible	Single channel micropipettes																		8-channel multichannel micropipette		
			Variable volume											Fixed volume									
			ABS126HPA 0.1-2.5µl	ABS126HPA 0.5-10 µl	ABS128HPA 2-20 µl	ABS129HPA 5-50 µl	ABS1290HPA 10-100 µl	ABS131HPA 20-200 µl	ABS1310HPA 50-200 µl	ABS1311HPA 100-1000 µl	ABS132HPA 200-1000 µl	ABS127HPA 1000-5000 µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS124HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0.5-10 µl	ABS133HPA 5-50 µl	ABS135HPA 50-300 µl
	BSR062 BSR062R	0-10 µl neutral	X	X									X	X								X		
	BSR063	0-10 µl neutral	X	X									X	X								X		
	BSR0625	0.5-20 µl neutral	X	X									X	X								X		
	BSR001 BSR001R	0-200 µl yellow			X	X	X	X	X						X	X	X	X	X					
	BSR0412	0-200 µl yellow			X	X	X	X	X						X	X	X	X	X					
	BSR011	5-100 µl yellow			X	X	X	X	X						X	X	X	X	X					
	BSR064 BSR064R	0.1 - 10 µl neutral	X	X									X	X								X		
	BSR066 BSR066R	0-200 µl yellow			X	X	X	X	X						X	X	X	X	X				X	
	BSR0665	5-200 µl yellow			X	X	X	X	X						X	X	X	X	X				X	
	BSR002 BSR002R	200-1000 µl blue								X	X									X	X			
	BSR0422	200-1000 µl light blue								X	X									X	X			
	BSR012	100-1000 µl blue								X	X									X	X			
	BSR067 BSR067R	100-1000 µl blue								X	X									X	X			
	BSR075	100-1000 µl blue								X	X									X	X			
	BSR080	1000-5000 µl neutral										X												
	BSR008	10-200 µl neutral			X	X	X	X	X						X	X	X	X	X					
	BSR018	10-200 µl neutral			X	X	X	X	X						X	X	X	X	X					
	BSR048/N	10-200 µl neutral			X	X	X	X	X						X	X	X	X	X					

Sterile tips with filter in Biosigma CLEARLine® rack

CLEARLine® Human DNA Bacterial DNA DNase RNase Endotoxin PCR Inhibitors

Universal tips with filter in low retention rack, in sterile polypropylene.



Features

- New CLEARLine® packaging
- QR code on the label to simplify tracking the batch number and expiry date
- Tips with filter in natural polypropylene
- Sterile
- Autoclavable at 121°C
- Standard and Low retention
- Free from DNase, RNase, Human DNA, PCR inhibitors, Endotoxins
- Free from bacterial DNA only for the Low retention version
- In rack with hinged lid
- Compatible with most micropipettes on the market
- Eco-friendly packaging

Standard CLEARLine® tips with filter

Description	Code	Vol. (µl)	Length (mm)	Sterile	Units/Bags	Sales units	Compatibility
10 µl universal tips with filter	028200CLH	10	31.65	X	10 96-piece racks	960	Compatible with most micropipettes on the market
10 µl long universal tips with filter	015020CLH	10	45.80	X	10 96-piece racks	960	
20 µl universal tips with filter	014210CLH	20	50.55	X	10 96-piece racks	960	
100 µl universal tips with filter	036060CLH	100	50.55	X	10 96-piece racks	960	
200 µl universal tips with filter	014220CLH	200	50.55	X	10 96-piece racks	960	
300 µl universal tips with filter	130510CLH	300	59.25	X	10 96-piece racks	960	
1000 µl universal tips with filter	014200CLH	1000	78.05	X	10 96-piece racks	960	
1000 µL (1250 µL) universal filter tips	134000CLH	1000 (1250)	102.00±0.25	X	10 96-piece racks	960	

Low retention CLEARLine® tips with filter

Description	Code	Vol. (µl)	Length (mm)	Sterile	Units/Bags	Sales units	Compatibility
10 µl universal tips with filter	713130H	10	31.65	X	10 96-piece racks	960	Compatible with most micropipettes on the market
10 µl long universal tips with filter	713114H	10	45.80	X	10 96-piece racks	960	
20 µl universal tips with filter	713115H	20	50.55	X	10 96-piece racks	960	
100 µl universal tips with filter	713116H	100	50.55	X	10 96-piece racks	960	
200 µl universal tips with filter	713117H	200	50.55	X	10 96-piece racks	960	
300 µl universal tips with filter	713131H	300	59.25	X	10 96-piece racks	960	
1000 µl universal tips with filter	713118H	1000	78.05	X	10 96-piece racks	960	
1000 µL (1250 µL) universal filter tips	713119H	1000 (1250)	102.00±0.25	X	10 96-piece racks	960	

STANDARD CLEARLINE® TIP COMPATIBILITY WITH HPPETTE PLUS MICROPIPETTES

Match the right tip to every HPpette Plus

		X = compatible	Micropipettes Single Channel																		Multichannel 8 channel		
			Adjustable volume										Fix volume										
			ABS1261HPA 0,1-2,5µl	ABS126HPA 0,5-10 µl	ABS128HPA 2-20 µl	ABS129HPA 5-50 µl	ABS1290HPA 10-100 µl	ABS131HPA 20-200 µl	ABS1310HPA 50-200 µl	ABS1311HPA 100-1000 µl	ABS132HPA 200-1000 µl	ABS127HPA 1000-5000 µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS1241HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0,5-10 µl	ABS133HPA 5-50 µl	ABS135HPA 50-300 µl
STANDARD CLEARLINE® TIPS WITH FILTER	028200CLH	10 µl universal tips with filter	X	X									X	X								X		
	015020CLH	10 µl long universal tips with filter	X	X									X	X								X		
	014210CLH	20 µl universal tips with filter			X										X								X	
	036060CLH	100 µl universal tips with filter				X	X									X	X	X					X	
	014220CLH	200 µl universal tips with filter					X	X	X									X	X					
	130510CLH	300 µl universal tips with filter					X	X										X	X					X
	014200CLH	1000 µl universal tips with filter								X	X									X	X			
	134000CLH	1000 µL (1250 µL) universal filter tips								X	X										X			
LOW RETENTION CLEARLINE® TIPS WITH FILTER	713130H	10 µl universal tips with filter	X	X									X	X								X		
	713114H	10 µl long universal tips with filter	X	X									X	X								X		
	713115H	20 µl universal tips with filter			X										X								X	
	713116H	100 µl universal tips with filter				X	X									X	X	X					X	
	713117H	200 µl universal tips with filter					X	X	X									X	X					
	713131H	300 µl universal tips with filter					X	X										X	X					X
	713118H	1000 µl universal tips with filter								X	X									X	X			
	713119H	1000 µL (1250 µL) universal filter tips								X	X										X			

ClearLine® Plus tips with filter and HybridRack

- Polypropylene filter and non-filter tips
- Plus version: recycled plastic hinged rack
- Hybridrack version: cardboard rack with recycled plastic rack holder
- 2 surfaces available: standard and low retention
- Colour coded
- Also available in refill


ClearLine® Plus racks


Hybridrack racks

LOW RETENTION TIPS WITH FILTER

ClearLine

Low retention non-filter tips

					ClearLine® Plus			ClearLine® Plus in refill	ClearLine® Hybridrack	
					Standard tips		Low Retention tips	Standard tips	Low retention tips	
Description	Holder colour	Vol. (µl)	Graduation (µl)	Units/ Bags	Non-sterile	Sterile	Non-sterile	Non-sterile	Sterile	Sales units
Tip length 45 mm	Red	10	2.5, 10	10x96	713275	713276	713277	713268	258361	960
Tip length 45 mm	Red	10	1, 2, 5, 10	10x96	713245	713246	713247			960
Universal tip - length 51.5	Yellow	200	10, 50, 100	10x96	713248	713249	713250	713269	258362	960
Universal tip - length 59 mm	Green	300	10, 50, 100	10x96	713251	713252	713253	713270	258363	960
Tip length 78 mm	Green	300	10, 50, 100, 200, 300	8x96	258328	258329			258364	768
Tip length 102 mm	Blue	1250	200, 500, 1000	8x96	713254	713255		713271	258365	768

Low retention tips with filter

					ClearLine® Plus	ClearLine® Hybridrack	
Description	Holder colour	Vol. (µl)	Graduation (µl)	Units/ Bags	Sterile	Sterile	Sales units
Tip length 45 mm	Red	10	2.5, 10	10x96	713278	258355	960
Tip length 45 mm	Red	10	1, 2, 5, 10	10x96	713260		960
Universal tip - length 51.5	Yellow	20	10, 50, 100	10x96	713261	258356	960
Universal tip - length 51.5	Yellow	100	10, 50, 100	10x96	713262	258357	960
Universal tip - length 59 mm	Yellow	200	10, 50, 100	10x96	713263	258358	960
Tip length 78 mm	Yellow	200	10, 50, 100, 200, 1000	8x96	713264	258367	768
Tip length 78 mm	Green	300	10, 50, 100, 200. 1000	8x96	713265	258359	768
Tip length 102 mm	Blue	1250	200, 500, 11000	8x96	713266	258360	768

STANDARD TIP COMPATIBILITY WITH HPPETTE PLUS MICROPIPETTES

Match the right tip to every HPpette Plus

		X = compatible	Micropipettes Single Channel																	Multichannel 8 channel		
			Adjustable volume										Fix volume									
			ABS1261HPA 0,1-2,5µl	ABS126HPA 0,5-10 µl	ABS128HPA 2-20 µl"	ABS129HPA 5-50 µl	ABS1290HPA 10-100 µl	ABS131HPA 20-200 µl	ABS1310HPA 50-200 µl	ABS1311HPA 100-1000 µl	ABS132HPA 200-1000 µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS1241HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0,5-10 µl	ABS133HPA 5-50 µl	ABS135HPA 50-300 µl
LOW RETENTION NON-FILTER TIPS	713275 713276 713277 713268 258361	10 µl universal tips with filter	X	X								X	X							X		
	713245 713246 713247	10 µl universal tips with filter	X	X								X	X							X		
	713248 713249 713250 713269 258362	200 µl universal tips with filter			X	X	X	X	X					X	X	X	X	X			X	
	713251 713252 713253 713270 258363	300 µl universal tips with filter			X	X	X	X	X					X	X	X	X	X			X	
	258328 258329 258364	300 µl universal tips with filter			X	X	X	X	X					X	X	X	X	X			X	
	713254 713255 713271 258365	1250 µL universal filter tips								X	X								X	X		
LOW RETENTION TIPS WITH FILTER	713278 258355	10 µl universal tips with filter	X	X								X	X							X		
	713260	10 µl universal tips with filter	X	X								X	X							X		
	713261 258356	20 µl universal tips with filter			X	X	X							X							X	
	713262 258357	100 µl universal tips with filter			X	X	X								X	X	X				X	X
	713263 258358	200 µl universal tips with filter					X	X	X								X	X				X
	713264 258367	200 µl universal tips with filter					X	X	X								X	X			X	
	713265 258359	300 µl universal tips with filter				X	X	X	X								X	X			X	X
	713266 258360	1250 µL universal filter tips								X	X								X	X		

Pasteur pipettes

Single-use transfer pipettes, suitable for handling most liquids in the laboratory.
The integrated bulb contributes to greater user safety. Our pipettes meet the requirements of routine work and of more specific work.

- In polyethylene
- Sterile or non-sterile
- In 500-pieces dispenser-box (non-sterile) or 250-pieces bags



500-pieces dispenser box for 1 and 3 ml pipettes, non-sterile



BSV180 *BSV1364 390512* *BSV1344 390509* *BSV143* *BSV140* *BSV150*

Pasteur pipettes

Code	Features	Length (mm)	Graduation (ml)	Bulb capacity (ml)	Drop Vol. (µl)	Units/Bags	Sales units
BSV180	10 ml variable bulb	160		10	50	6 bags of 250 pcs	1500
BSV136	3 ml graduated	160	0.5	4.1	40	6 dispensers of 500 pcs	3000
BSV134	1 ml graduated	160	0.25	4.25	40	6 dispensers of 500 pcs	3000
BSV143	For M-T kit	148		1	40	6 bags of 500 pcs	3000
BSV140	For Fast-Read® kit	125		1	40	6 bags of 1000 pcs	6000
BSV150	For test in card	70		1	40	6 bags of 1000 pcs	10000

1 and 3 ml sterile Pasteur pipettes

Code	Features	Length (mm)	Graduation (ml)	Bulb capacity (ml)	Units/Bags	Sales units
BSV135	1 ml graduated	160	0.25	3.5	Sterile in 5-pieces peel-pack	1000
BSV1351	1 ml graduated	160	0.25	3.5	Sterile in 1-pieces peel-pack	1000
BSV137	3 ml graduated	160	0.5	3.5	Sterile in 5-pieces peel-pack	1000
BSV1371	3 ml graduated	160	0.5	3.5	Sterile in 1-piece peel-pack	1000



Sterile 5-piece peel-pack



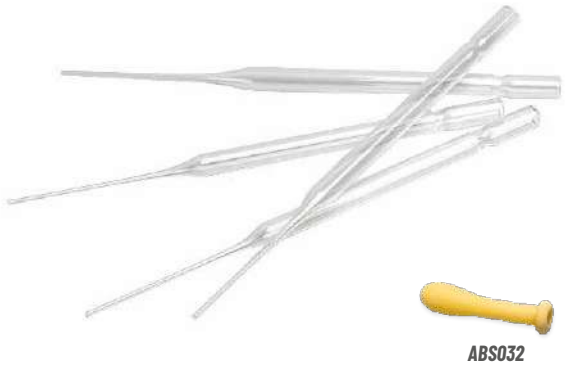
Single sterile peel-pack

P.S. Volumes are indicative only. These products do not have analytical measurement as their primary function
P.S. The images are not to scale and are for illustration purposes only

1.3 _LIQUID DISPENSING

Glass Pasteur pipettes

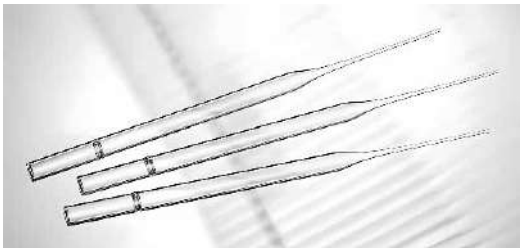
- Glass Pasteur pipettes, elongated shape
- Body dimensions 90 x 7 mm diameter
- Capillary diameter 1 mm
- Total length 150 and 230 mm
- Not graduated



Code	Description	Sales units
VBS599	Pasteur pipette in glass not cotton plugged 7 x 150 mm	250
VBS600	Pasteur pipette in glass not cotton plugged 7 x 230 mm	250
ABS032	Latex dropper bulb for Pasteur pipettes in glass	50

Pasteur pipettes in soda lime glass

- Pasteur pipettes in glass
- Total length from 150 mm to 270 mm
- Not graduated
- Autoclavable



Code	Description	Length (mm)	Cotton plugged	Open	Closed	Sterile	Sales units
065421	Pasteur pipettes in soda lime glass	150					250
065468	Pasteur pipettes in soda lime glass	150	X	X			250
065476	Pasteur pipettes in soda lime glass	150	X		X		250
065422	Pasteur pipettes in soda lime glass	230					250
065469	Pasteur pipettes in soda lime glass	230	X	X			250
065470	Pasteur pipettes in soda lime glass	230			X		250
065471	Pasteur pipettes in soda lime glass	230	X		X		250
065471S	Pasteur pipettes in soda lime glass	230	X		X	X	250
065472	Pasteur pipettes in soda lime glass	270		X			250
065473	Pasteur pipettes in soda lime glass	270	X	X			250
065477	Pasteur pipettes in soda lime glass	270	X		X		250
065477S	Pasteur pipettes in soda lime glass	270	X		X	X	250

P.S. Volumes are indicative only. These products do not have analytical measurement as their primary function
P.S. The images are not to scale and are for illustration purposes only

CELL CULTURE

Discover our range of cell culture products, designed to support your research in different fields.
By ensuring an optimal environment, they promote cell attachment and facilitate accurate sample analysis. We offer effective solutions to ensure the sterility and quality of the reagents and culture media.

Choose excellence and reliability for your cell cultures.

CLEARLine® treated cell culture flasks

CLEARLine® cell culture flasks ergonomically designed for easy handling, minimising the risk of contamination. Intuitive design and rigorous testing on each batch, they offer safety and efficiency.



- With filter or standard cap
- Available sizes: 25, 75, 175 and 225 cm2
- Materials:
  - Flask: PS
  - Cap: HDPE
  - Filter (if applicable): PTFE; pore size 0.2 µm
- DNase and RNase free
- Non-pyrogenic, non-cytotoxic
- Sterile



filtering *standard*

Code	Cap	Growth area (cm²)	Total volume (ml)	Units/Bags	Sales units
CL200	Filtering	25	60	10	200
CL201	Filtering	75	250	5	100
CL202	Filtering	175	650	5	40
CL203	Filtering	225	850	5	25
CL204	Standard	25	60	10	200
CL205	Standard	75	250	5	100
CL206	Standard	175	650	5	40
CL207	Standard	225	850	5	25

CLEARLine® treated multiwell plates for cell culture

CLEARLine® multiwell plates designed to ensure optimal cell growth and reproducible results. Each batch is rigorously tested with cell lines to ensure consistency and reliability.





- Available sizes: 6, 12, 24, 48 and 96 wells with flat bottom
- Materials:
  - Plate: PS
  - Lid: PS
- DNase and RNase free
- Non-pyrogenic, non-cytotoxic
- Sterile

Code	Wells	Growth area (cm²)	Units/Bags	Sales units
CL300	6	9.6	Sealed pouch	50
CL301	12	3.87	Sealed pouch	50
CL302	24	3.87	Sealed pouch	50
CL303	96	0.32	Sealed pouch	50
CL304	48	0.87	Sealed pouch	50

CLEARLine® treated plates for cell culture



CLEARLine® plates designed to ensure optimal cell growth, with an ergonomic toothed rim design that reduces the risk of contamination. Ideal for a wide range of laboratory applications, including inoculation, marking, weighing, separation and processing of tissues or cells.

- Available sizes: Ø 35, 60, 100 and 150 mm
- Materials:
  - Plate: PS
- DNase and RNase free
- Non-pyrogenic, non-cytotoxic
- Sterile



CL903

Code	Description	Units/Bags	Sales units
CL900	Treated plates for cell culture Ø 60 mm	10	500
CL901	Treated plates for cell culture Ø 100 mm	10	300
CL902	Treated plates for cell culture Ø 150 mm	5	100
CL903	Treated plates for cell culture Ø 35 mm	5	100

CLEARLine® vacuum filtration units



CLEARLine® single-use vacuum filter systems are complete filtration solutions, supplied with filter funnel, adapter and collection tank. They are designed to simplify and optimise the filtration process, allowing rapid and efficient removal of unwanted particles from liquids and solutions.

- Available sizes: 250, 500 and 1000 ml
- Materials:
  - Funnel: PS
  - Collection tank: PS
  - Filtering membrane: PES with 0.22µm pores
- Non-pyrogenic, non-cytotoxic
- Sterile

Code	Volume (ml)	Membrane material	Membrane size (µm)	Units/Bags	Sales units
CL500	250	PES	0.22	1	12
CL501	500	PES	0.22	1	12
CL502	1000	PES	0.22	1	12

Scrapers for cell culture

Scrapers for cell culture are essential tools for collecting and transferring adherent cells in the laboratory. Equipped with a flexible blade and an ergonomic handle available in two different lengths, they allow cells to be gently detached from culture surfaces without damaging them. Each scraper is individually packaged to ensure sterility and prevent contamination, thus ensuring maximum safety and reliability during use.



- Materials: Polyethylene
- Non-Pyrogenic
- Sterile

Code	Handle length (cm)	Blade length (mm)	Type	Units/Bags	Sales units
010153	18	18	Adjustable blade	1	100
010154B	25	18	Adjustable blade	1	200

1.5_ TEST TUBES, CAPS AND ACCESSORIES

Biosigma has been providing the best laboratory products, such as test tubes, caps and supports, since 1988.

- **Sterile test tubes**
- **10 ml cylindrical test tubes**
- **Non-sterile test tubes**
- **Test tubes with double snap cap**
- **Caps**
- **Rack**
- **Sterile centrifuge test tubes**
- **Drosophila**
- **Self-adhesive label**

Our single-use plastic tubes are available in various sizes and shapes to meet your needs. Caps and stoppers are designed to ensure an airtight seal for your test tubes.

Racks are versatile and can house different diameters and volumes of tubes.



Test tubes

CLEARLine® Human DNA NON Cytotoxic DNase RNase Endotoxin Gamma Rays Sterile SAL 10⁻⁶ EN ISO 11137

CLEARLine® sterile screw cap centrifuge test tubes

- Graduated
- With writing area
- Sterile
- Polypropylene test tube and polyethylene screw cap
- Free from human DNA, DNases, RNases, Endotoxins
- Non-cytotoxic
- In rack or bag
- Indication of maximum volume for low temperature storage



CL482 CL474 CL477



Code	Volume (ml)	Shape	Dimensions (mm)	Centrifugation speed	Units/Bags	Sales units
CL474	50	Conical	116 x 28	12.000 xg	Bag of 25	500
CL475	50	Conical	116 x 28	12.000 xg	25 / Plastic rack	500
CL477	50	With base	118 x 28	12.000 xg	Bag of 25	500
CL482	15	Conical	120 x 16	15.000 xg	Bag of 25	500
CL490	15	Conical	120 x 16	15.000 xg	50 / Plastic rack	500

1.5_ TEST TUBES, CAPS AND ACCESSORIES

Screw cap centrifuge test tubes

- Graduated
- Without base
- With writing area
- In polypropylene
- Screw cap
- Sterile and non-sterile

Code	Volume (ml)	Dimensions (mm)	Sterile	Units/Bags	Sales units
BSM482/B	15	Ø 17 x 120		50	500
BSM482/CS	15	Ø 17 x 120	X	Single	250
BSM474/B	50	Ø 30 x 115		50	500
BSM485	15	Ø 17 x 120	X	Single	500
BSM478	15	Ø 16 x 120	X	150	1050
BSM478/CS	15	Ø 16 x 120	X	Single	700
BSM492	15	Ø 16 x 120			750


BSM482/B


BSM474/B

Sterile screw cap test tubes

- Sterile
- In polystyrene or polypropylene
- Screw cap
- Conical or cylindrical bottom

Code	Volume (ml)	Dimensions (mm)	Bottom	Material	Grad.	Writing area	Cap	Units/Bags	Sales units
BSM470	10	Ø 16 x 100	Cylindrical	PS			Red	200	1200
BSM470/CS	10	Ø 16 x 100	Cylindrical	PS			Red	Single	750
BSM4702	10	Ø 16 x 100	Cylindrical	PP			White	200	1200
BSM450	10	Ø 16 x 95	With base	PP	X		White	100	2000
BSP361	10	Ø 16 x 100	Cylindrical	PP			White	Single	750
BSM483/K	15	Ø 17 x 120	Conical	PS	X		Light Blue	125	750
BSM4811	15	Ø 16 x 120	Conical	PS			Light Blue (separate)		500
BSM486	20	Ø 16 x 150	Cylindrical	PS			Red	125	625
BSM486/CS	20	Ø 16 x 150	Cylindrical	PS	X		Red	Single	500


BSM483/K


BSM470

Sterile test tubes with pressure cap

- Sterile
- In polystyrene
- Pressure cap
- Cylindrical or conical base
- Graduated and non-graduated

Code	Volume (ml)	Dimensions (mm)	Bottom	Grad. (ml)	Label	Cap	Sales units
BSM416	5	Ø 12 x 86	Cylindrical	2.5 / 5	X	Yellow	3000
BSM400	10	Ø 16 x 100	Cylindrical	2.5 / 5 / 10		Yellow	1800
BSM402	10	Ø 16 x 100	Cylindrical	2.5 / 5 / 10	X	Red	1250
BSM407	5	Ø 12 x 86	Cylindrical		X	Red	3000
BSM408	10	Ø 16 x 100	Conical	1 / 2.5 / 5 / 10	X	Yellow	2000
BSM410	10	Ø 16 x 100	Conical	1 / 2.5 / 5 / 10	X	Red	800
BSM424	20	Ø 16 x 150	Cylindrical			Red	800


BSM416


BSM400

Test tubes with double snap vented cap

The test tube is equipped with a special vented cap with a double-snap closure. The first position allows air to circulate inside the test tube while the second position closes the test tube.

- In polystyrene
- Sterile
- Cylindrical
- With writing area
- Graduated

Code	Volume (ml)	Dimensions (mm)	Unit/packaging	Sales units
BSF2054/CS	5	Ø 12 x 75	Single	1000
BSF2054	5	Ø 12 x 75	25	500
BSF2051/CS	14	Ø 17 x 100	Single	1000
BSF2051	14	Ø 17 x 100	25	1000


BSF2054/CS


BSF2054

1.5_ TEST TUBES, CAPS AND ACCESSORIES

Test tubes with rim

10 ml volume test tubes

Code	Dim. (mm)	Bottom	Material	Rim	Graduation (ml)	Label	Sales units
BSP054	Ø 16 x100	Cylindrical	Methacrylate	X	Not graduated		2000
BSP055	Ø 16 x100	Cylindrical	Methacrylate	X	Not graduated	X	2000
BSP048	Ø 16 x100	Cylindrical	Polypropylene	X	Not graduated		2000
BSP049	Ø 16 x100	Cylindrical	Polypropylene	X	Not graduated	X	2000
BSP058	Ø 16 x100	Cylindrical	Polypropylene	X	2.5 / 5 / 10		2000
BSP059	Ø 16 x100	Cylindrical	Polypropylene	X	2.5 / 5 / 10	X	2000
BSP072	Ø 16 x100	Cylindrical	Polystyrene	X	2.5 / 5 / 10		2000
BSP073	Ø 16 x100	Cylindrical	Polystyrene	X	2.5 / 5 / 10	X	2000
BSP060	Ø 16 x103	Conical	Polypropylene	X	0.5 / 1 / 2.5 / 5 / 10		2000
BSP061	Ø 16 x103	Conical	Polypropylene	X	0.5 / 1 / 2.5 / 5 / 10	X	2000
BSP074	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10		2000
BSP075	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10	X	2000



Test tubes

3 ml volume test tubes

Code	Dim. (mm)	Bottom	Material	Rim	Graduation (ml)	Notes	Label	Sales units
BSA057	Ø 11.5 x 55	Cylindrical	Polystyrene		Not graduated	For coagulation		6000
BSA060	Ø 11 x 70	Cylindrical	Polystyrene		Not graduated	For R.I.A.		6000
BSP068	Ø 12 x 51	Flat	Polypropylene	X	1.25 / 25 / 2.5			5000
BSP069	Ø 12 x 51	Flat	Polypropylene	X	1.25 / 25 / 2.5		X	7000
BSP082	Ø 12 x 51	Flat	Polystyrene	X	1.25 / 25 / 2.5			7000
BSP083	Ø 12 x 51	Flat	Polystyrene	X	1.25 / 25 / 2.5		X	7000



5 ml volume test tubes

Code	Dim. (mm)	Bottom	Material	Rim	Graduation (ml)	Colour	Label	Sales units
BSP056	Ø 12 x 86	Cylindrical	Methacrylate	X	2.5 / 5	Neutral		4000
BSP062	Ø 12 x 86	Cylindrical	Polypropylene	X	0.5 / 2.5 / 5	Neutral		4000
BSP063	Ø 12 x 92	Cylindrical	Polypropylene	X	0.5 / 2.5 / 5	Neutral	X	3600
BSP044	Ø 13 x 75	Cylindrical	Polystyrene	X	3.0	Neutral		4500
BSP076	Ø 12 x 86	Cylindrical	Polystyrene	X	2.5 / 5	Neutral		4000
BSP077	Ø 12 x 92	Cylindrical	Polystyrene	X	2.5 / 5	Neutral	X	3600



1.5_ TEST TUBES, CAPS AND ACCESSORIES

Rimless test tubes

Rimless 5 ml volume test tubes

Code	Dim. (mm)	Bottom	Material	Colour	Units/ Bags	Sales units
BSA059V	Ø 12x75	Cylindrical	Polystyrene	Neutral	1000	4000
BSA059V/P	Ø 12x75	Cylindrical	Polypropylene	Neutral	1000	4000
BSA0592	Ø 12x75	Cylindrical	Polystyrene	Blue	1000	4000


BSA059V


BSA059V/P

Rimless 6 ml volume test tubes

Code	Dim. (mm)	Bottom	Material	Colour	Sales units
BSA0594	Ø 13x75	Cylindrical	Polystyrene	Neutral	4000
BSA0594/P	Ø 13x75	Cylindrical	Polypropylene	Neutral	4000


BSA0594


BSA0594/P

Cylindrical test tube and screw cap

Code	Description	Dim. (mm)	Bottom	Material	Colour	Sales units
BSM468	Yellow PE Cap for BSM469	Ø 13		PE	Yellow	4200
BSM469	5 ml cylindrical test tube	Ø 13x75	Cylindrical	PS		4200


BSM468


BSM469

Caps

Test tube caps

- For Ø 12 or Ø 16 mm test tubes
- In polyethylene
- Available in 7 colours

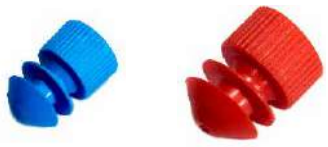


Ø 12 mm Code	Colour	Sales units
BS0036	Red	4000
BS0037	White	4000
BS0038	Yellow	4000
BS0039	Green	4000
BS0040	Light Blue	4000
BS0041	Blue	4000
BS0043	Pink	4000

Ø 16 mm Code	Colour	Sales units
BS0025	Red	10000
BS0026	White	10000
BS0027	Yellow	10000
BS0028	Green	10000
BS0029	Light Blue	10000
BS0030	Blue	10000
BS0032	Pink	10000

Finned caps for test tubes

- For Ø 11-12 or Ø 16-17 test tubes
- Finned
- In polyethylene
- Available in 8 colours



Ø 11-12 mm Code	Colour	Sales units
BSA062	Neutral	20000
BSA062/AZ	Light Blue	20000
BSA062/B	White	20000
BSA062/BLU	Blue	20000
BSA062/G	Yellow	20000
BSA062/RA	Pink	20000
BSA062/RO	Red	20000
BSA062/V	Green	20000

Ø 16-17 mm Code	Colour	Sales units
BSA063	Red	10000
BSA063/AZ	White	10000
BSA063/B	Yellow	10000
BSA063/BLU	Green	10000
BSA063/G	Light Blue	10000
BSA063/RA	Blue	10000
BSA063/RO	Pink	10000
BSA063/V	Green	10000

R.I.A. test tube caps Ø 11 mm

Polyethylene snap caps for Ø 11 mm test tubes (BSA060).



Code	Diameter (mm)	Material	Sales units
BSA061	Ø 11	Polyethylene	3000

Ø 13 mm finned cap

Finned pressure caps for Ø 13 mm test tubes. Neutral colour.



Code	Diam. (mm)	Material	Units/Bags	Sales units
BSA064	Ø 13	Polyethylene	1000	3000

Safety cap for test tubes

- For Ø 12 mm test tubes
- Safety closure
- In polyethylene



Code	Colour	Compatible with test tubes	Units/Bags	Sales units
BS0100	White	BSA059V BSA059V/P BSA0592	1000	12000
BS0100/BLU	Blue		1000	12000
BS0100/V	Green		1000	12000
BS0100/GR	Grey		1000	12000
BS0100/RO	Red		1000	12000

Vacustopper™

- In polyethylene Ø 13 mm
- For vacuum tubes or 12, 13 Sorwall tubes
- BS0113: internal shape that allows a perfect adhesion of the cap to the test tube, furthermore the soft polyethylene allows a second external closure



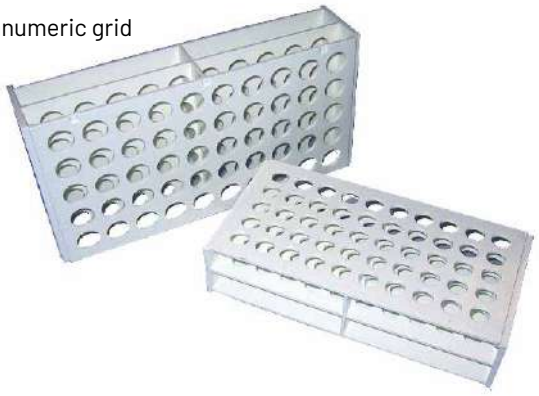


Code	Diam. (mm)	Colour	Material	Units/Bags	Sales units
BS0113	Ø 13	Neutral	Polyethylene	1000	4000

Racks

Rack for Ø 13 and 16 mm test tubes

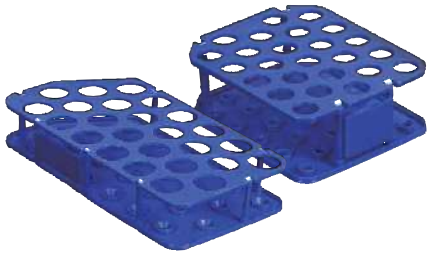
- In ABS
- Not autoclavable
- Stackable
- With alphanumeric grid
- White
- 50 places



Code	Places	Ø (mm)	Dim. (mm)	H (mm)	Colour	Sales units
BSP213	50	13.0	210 x 102	50	White	12
BSP217	50	16.0	240 x 110	53	White	12

Rack for Ø 15 and 50 mm tubes

- In reinforced polypropylene
- Autoclavable at +121°C
- Can be frozen down to -80°C
- Blue colour
- 25 places

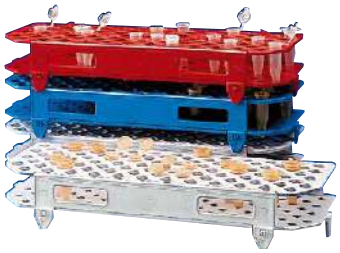


Code	Description	Dimensions (mm)	Sales units
330130	15 ml conical test tube rack	104.1 x 127.9 x 48.1	1
330133	50 ml conical test tube rack	132.7 x 249.7 x 48.1	1

Rack for 100 Microtubes

Polypropylene rack for 100 1.5 and 2 ml microtubes.

- Supplied flat (to be assembled)
- Stackable
- Marking surface on both lengths
- Autoclavable
- Alphanumeric localisation on the tray



Code	Colour	Dimensions (mm)	Sales units
391070	White	110 x 263 x 45	1
391071	Blue	110 x 263 x 45	1
391072	Yellow	110 x 263 x 45	1
391073	Red	110 x 263 x 45	1

Drosophila

- Drosophila tubes
- In 100-place cardboard rack or loose in bag
- In polystyrene
- Available in 2 sizes: 25 x 95 or 28.5 x 95 mm





Code	Dimensions (mm)	Base	Material	Racks	Sales units
789001B	Ø 25 x 95	Self-standing	Polystyrene	100	500
789002	Ø 28.5 x 95	Self-standing	Polystyrene	100	500
789008	Ø 25 x 95	Self-standing	Polystyrene		500
789009	Ø 28.5 x 95	Self-standing	Polystyrene		500

Self-adhesive label

- 25 x 36 mm self-adhesive labels
- Fasson paper LW60 S2045 int. 2.1



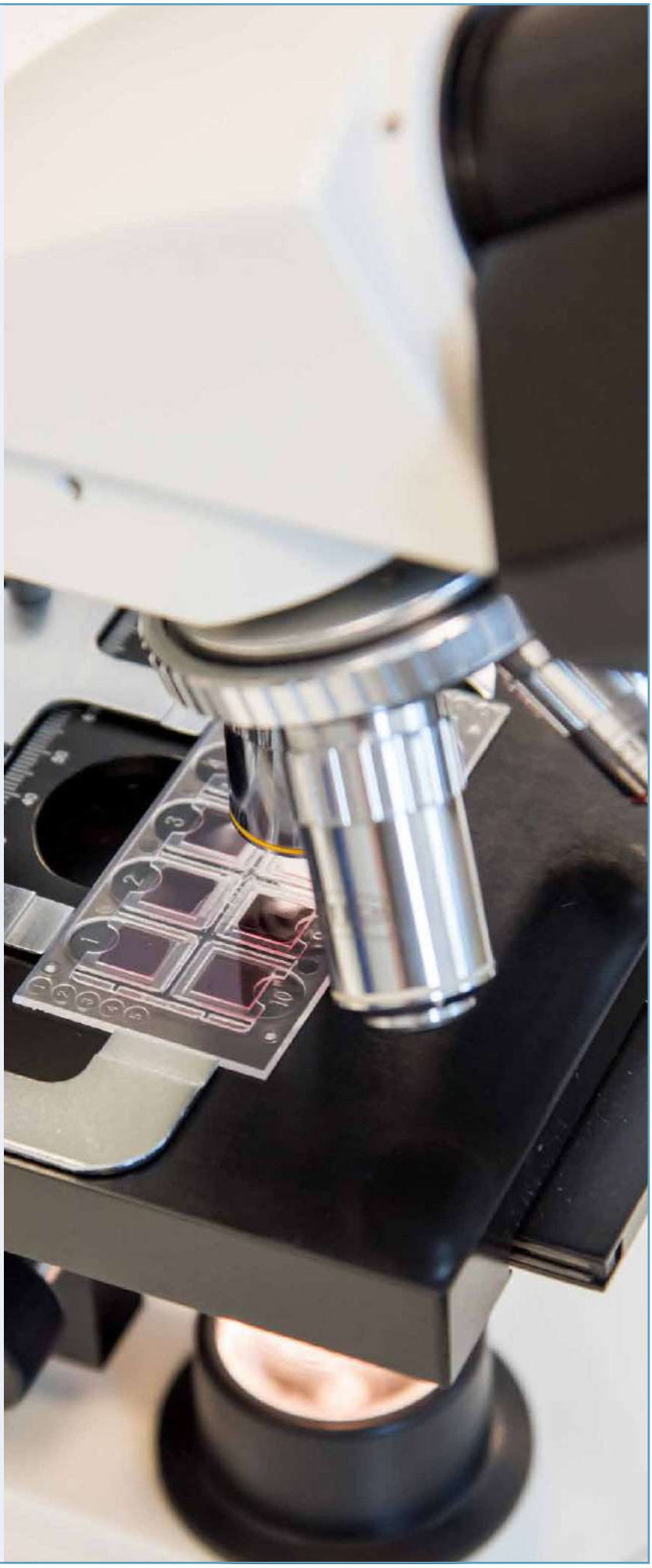
Code	Dimensions (mm)	Material	Sales units
BSO061	25 x 36	Fasson	8500

1.6_ URINALYSIS

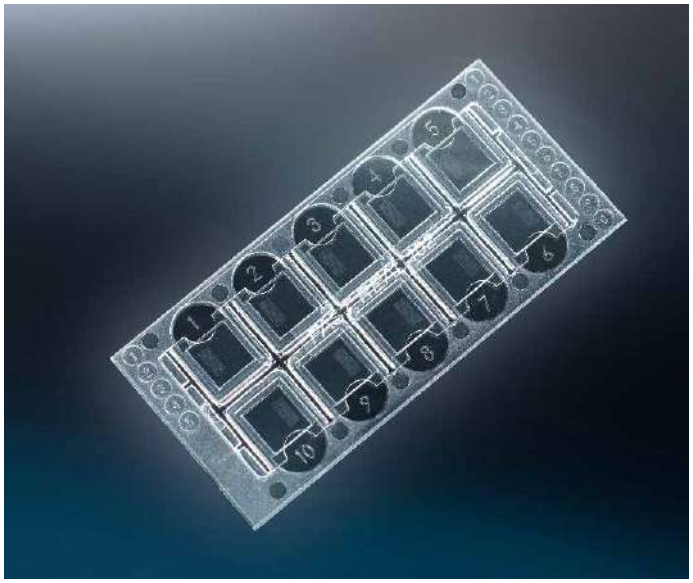
FAST READ 102® is a slide for standardising microscopic urinalysis.

It allows easy identification of the sample using the numbers printed on the sides.

- **Fast-Read 102® single-use slide for cell counting**
- **KOVA Liqua-Trol®**
- **Fast-Read® Kit**
- **Stain for microscopy**
- **Test tubes**



Fast-Read 102® single-use slide for cell counting



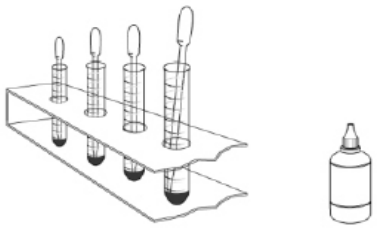
The FAST-READ 102® system improves the standardisation of urine microscopic examination, ensuring precise and reproducible data. This ensures constant readings at all times and independent of technical variations between different operators.

FAST-READ 102® consists of a slide of optically transparent material, with 10 separate chambers containing a standard volume of 7 µL. The urine sediment sample, deposited at the mouth of the observation chamber, is distributed uniformly by capillary action inside the chamber itself. Each chamber has an own system for collecting excess urine to prevent the possibility of contamination.

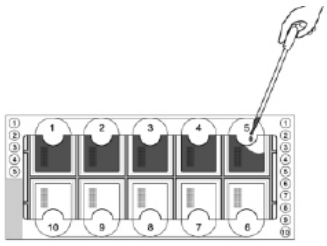
The FAST-READ 102® slide also allows easy classification of samples using the specific numbering shown on the sides.

Fast-Read 102®

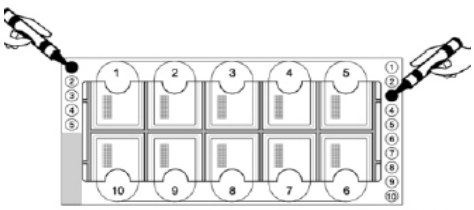
Code	Description	Sales units
BVS100	Single-use slide for cell counting	100



Centrifuge the urine sample, dispense a drop of STAIN dye, then insert a pipette into the test tube.



Use the pipette to mix the urine sediment by pressing the bulb several times and then deposit a drop of sample in the appropriate area of the slide.

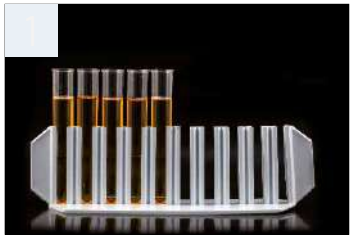


HOW TO USE THE NUMBERING Example: to identify samples from no. 131 to no. 140, colour no. 1 on the left side and no. 3 on the right side of the slide.

M-T system

When analysing urine sediment, it is very important that operators always use the same method for sample preparation in order to ensure the repeatability of the tests. Furthermore, with the traditional system of reading the urine sediment currently in use in many laboratories, the compaction of the sediment creates an overlap of epithelial cells. This makes it difficult to check the presence and quantity of other cellular elements. With the M-T System, these inconveniences can be overcome by standardising, with a few steps, the preparation of the sample to be analysed.

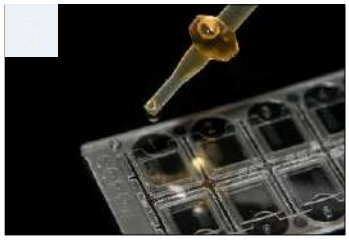
1. Fill the BSP074 test tubes with 10 ml of urine, and centrifuge
2. Insert the M-T Microtips® BSV143 triple-bulb pipettes, making sure they are secured in the test tube
3. Tilt the rack to drain excess urine
4. You obtain 1 ml of sediment which, re-suspended, is ready to be analysed on the Fast Read 102® slides
5. Deposit the sediment at the mouth of the slide observation chamber using the M-T microtips pipette











M-T Microtips® is a registered trademark of Biosigma S.p.A.

M-T system

Code	Description	Sales units
BVS190	Triple-bulb pipette + 10 ml test tube in PS	1



10 ml test tubes BSP074



M-T microtips® BSV143

1.6_ URINALYSIS

How to count cells

After filling the counting chamber with the sample, count the cells distributed in N squares.
Considering that the grid consists of 10 squares, that each square has a size of 1 x 1 mm, a depth of 0.1 mm and a volume of 0.1ul, the formula for determining the cell concentration (cells/ml) is:

$$[\text{Cells/ml}] = \frac{(\sum \text{cells counted in N squares}) \times \text{dilution factor} \times 10^4}{N}$$

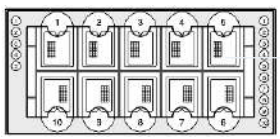
10^4 = conversion from 0.1ul to 1ml
Be careful with cells on the edges, only those on two sides should be counted, to avoid the risk of overestimating or underestimating.
In the example above, we perform the cell count on a 10-fold concentrated sample:

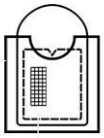
N = 5 (number of squares considered for counting)
∑ cells counted in the 5 squares = 67

Dilution factor = 10^{-1}

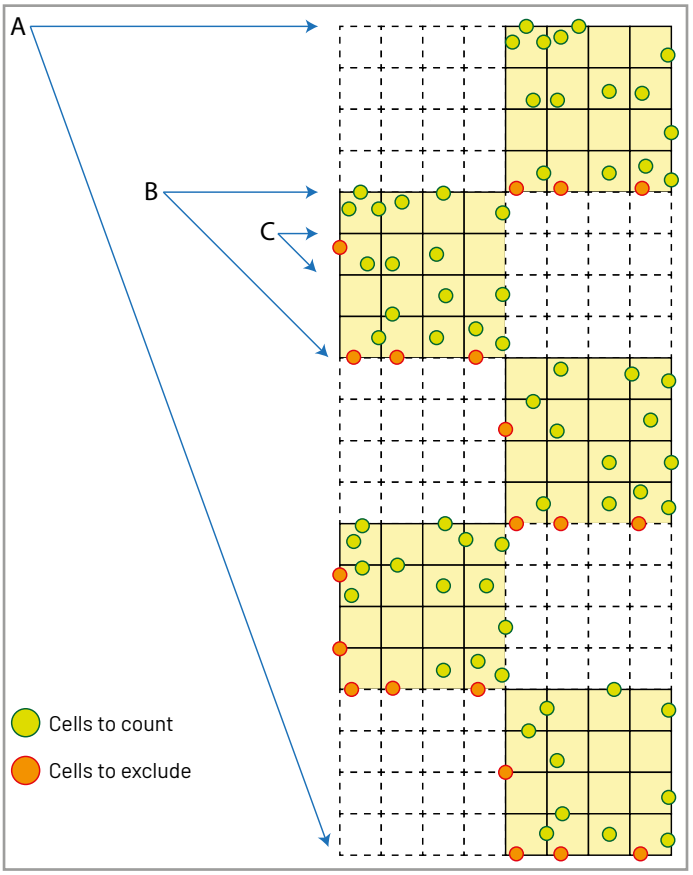
[Cells/ml] = (67 / 5) x 10^{-1} x 10^4 = 13.4 x 10^3







Counting chamber



A: GRID	
Dimensions	2 mm x 5 mm
Depth	0.1 mm
Volume	1 µl
Each grid includes	10 squares
Cell volume	7 µl

B: SQUARE	
Dimensions	1 mm x 1 mm
Depth	0.1 mm
Volume	0.1 µl
Each square includes	16 sectors

C: SECTOR	
Dimensions	0.25 mm x 0.25 mm
Depth	0.1 mm
Sector volume	0.00625 µl

Publication in scientific journal

Validation of analytical methods in GMP: the disposable Fast Read 102® device, an alternative practical approach for cell counting.

Gunetti M, Castiglia S, Rustichelli D, Mareschi K, Sanavio F, Muraro M, Signorino E, Castello L, Ferrero I, Fagioli F.

J. Transl Med. 2012 May 31; 10:112

www.Translational-medicine.com/content/10/1/112

KOVA Liqua-Trol®

KOVA Liqua-Trol® is a ready-to-use liquid product, designed to be used in clinical laboratories as a control for qualitative and semi-quantitative routine urinalysis procedures.

- Reduces times and eliminates reconstitution errors
- Available in two levels, normal and abnormal.
- With or without microscopics.



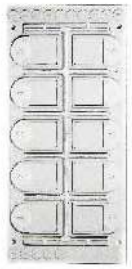
Kova Kit

Code	Description	Capacity (ml)	Sales units
87112E	KOVA Liqua-Trol Level II (Abnormal) and Level II (Normal with hCG); bi-level 3x15 ml	15	6
87122E	KOVA Liqua-Trol Level II (Normal) with hCG and microscopics	120	2
87176E	KOVA Liqua-Trol Level I (Abnormal) with microscopics	120	2
87123E	KOVA Liqua-Trol Level II (Normal) with hCG and microscopics	120	4
87177E	KOVA Liqua-Trol Level I (Abnormal) with microscopics	120	4

Fast-Read® Kit

How to Order

1 kit = 1000 exams

	Fast-Read® 102	M-T Microtips®	Pasteur Pipette in PE	10 ml test tube in PS	White cap separately
	(BVS100)	(BSV143)	(BSV140)	(BSP074)	(BS0026)
Code					
BVS100	X				
BVS101	X		X		
BVS190		X		X	
BVS171	X	X			
BVS1715	X	X		X	
BVS1719	X	X		X	X

Stain for microscopy

- Clear purple-red liquid

Code	Description	Bottle (ml)	Sales units
TBS135	STERNHEIMER AND MALBIN stain for microscopy	50	1



Test tubes

For M-T KIT and can be used on Superaution*, Supertron*, Atlas* instruments.

* Superaution, Supertron and Atlas are registered trademarks of Menarini, Roche and Bayer, respectively

10 ml volume test tubes

Code	Dimensions (mm)	Bottom	Material	Rim	Graduation (ml)	Label	Cap	Rack	Sales units
BSP074	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10				2000
BSP0741	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10		White BS0026 separately		2000
BSP075	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10	X			2000
BSP111	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10		White		1000
BSP112	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10	X	White		1500
BSP113	Ø 16 x103	Conical	Polystyrene	X	0.5 / 1 / 2.5 / 5 / 10	X	White	In 50-piece rack	1000



12 ml volume test tubes

Code	Dimensions (mm)	Bottom	Material	Rim	Graduation (ml)	Notes	Sales units
BSP100	Ø 17 x105	Conical	Polystyrene	X	X	Wide mouth - without cap	1000
BSP104	Ø 17 x105	Conical	Polystyrene	X	X	With sediment collection well - without cap	1000



Cap for BSP100 and BSP104 test tubes

Code	Description	Sales units
BSP108	Sanitary grip cap for urinalysis tube in blue polyethylene	2000



Paediatric test tubes

Code	Description	Dimensions (mm)	Bottom	Material	Rim	Graduation (ml)	Sales units
BSP128	Paediatric urine test tubes	Ø 17 x105	Conical	Polystyrene	X	X	1000

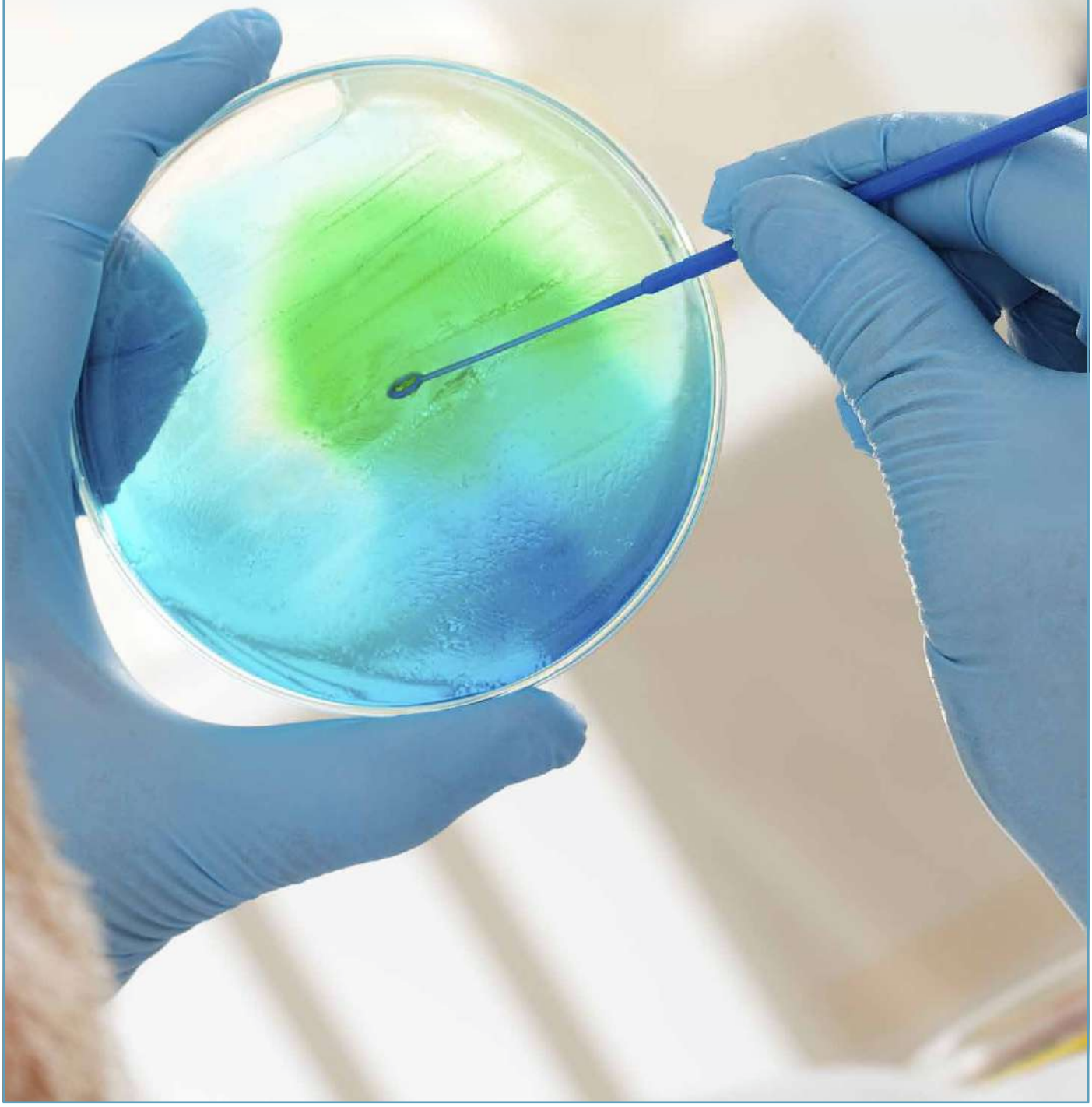


1.7_ MICROBIOLOGY

A selection of products for your microbiology laboratory:

- **Disposable loops**
- **CLEARStable preservation of microbial cultures sytem**
- **Swabs**
- **Plates**
- **Sterile cell spreaders**
- **pH paper**
- **Timer**
- **Foam swabs with liquid collection-trasnport medium**

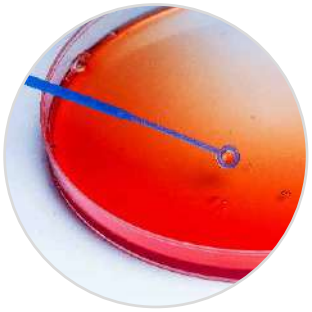
You can use these products to culture bacteria, fungi or other microorganisms.
All items are tested with rigorous quality controls to ensure perfect results.



Disposable loops

Biosigma loops are made of polypropylene, equipped at one end with a ring and at the other with an inoculation needle, sterilised with ethylene oxide and available in peel packs of 1, 5, 10, 20 pieces.

- In polypropylene
- 1 or 10 µl
- Peel pack
- In single pack or 5, 10, 20-piece bag
- Sterile
- Batch number and expiry date on each bag and peel pack









10 µl disposable loops

Code	Units/Bags	Colour	Units/Bags	Sales units
BSV120	20-piece peel pack	Blue	2000	10000
BSV1200	10-piece peel pack		200	12000
BSV1205	5-piece peel pack		500	4000
BSV1201	1-piece peel pack		350	2100





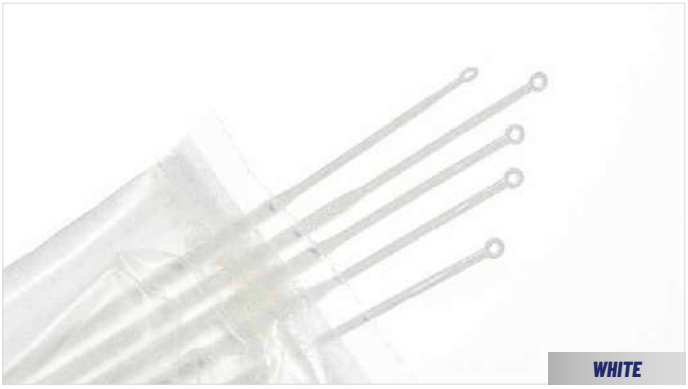




1 µl disposable loops

Code	Units/Bags	Colour	Units/Bags	Sales units
BSV121	20-piece peel pack	White	2000	10000
BSV1210	10-piece peel pack		200	12000
BSV1215	5-piece peel pack		500	4000
BSV1211	1-piece peel pack		350	2100





CLEARStable

Reliable and stable microbial preservation system

"Simplify your workflow with CLEARStable's larger beads and efficient design"

CLEARStable is an innovative system for the freezing and long-term preservation of bacterial and microbial cultures. The system is designed to eliminate the need for freeze-drying or frequent transfers, ensuring optimal preservation of the cultures. The system includes a cryobox containing 80 sterile vial and 1 vial picker. Each vial includes 20 ±1 porous beads, immersed in 1 ±0.1 ml of a glycerol-based cryoprotective solution. Sterile

CLEARStable ensures optimal preservation of bacteria, bacterial spores, and fungi at low temperatures, maintaining their viability and genetic stability. It is ideal for microbiology laboratories, research, and biotechnology production.

Optimize the stability and preservation of your microorganisms with CLEARStable!

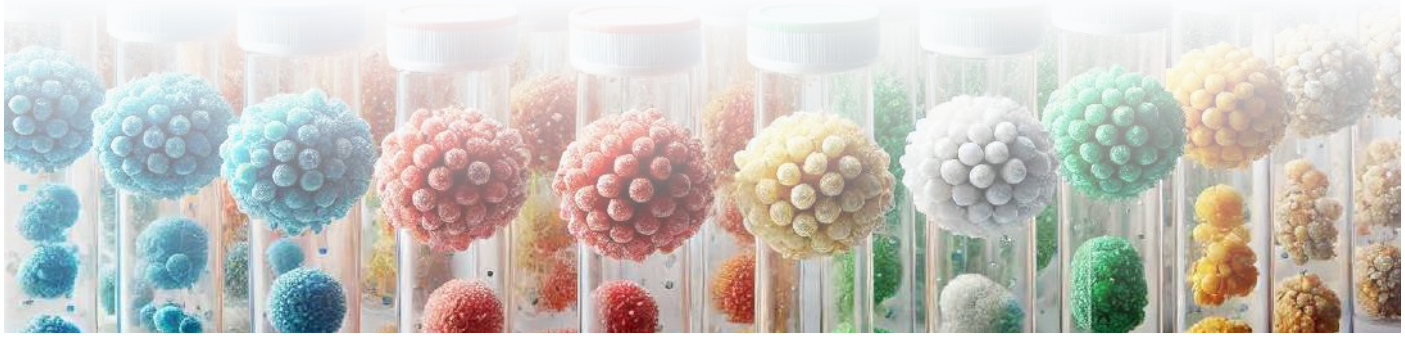


1D Version



2D Version





- **Long-Term Preservation:** Ensures viability and stability of microorganisms for extended periods
- **Multiple Freezing Options:** Store microorganisms at -20°C, -80°C, or in nitrogen vapour
- **Larger Beads for Better Handling:** Easier manipulation, improving efficiency
- **Simplified Identification:** Caps and beads in various colors for easy sample identification
- **Flexible Options:** Available with or without cryoprotectant, and with 1D or 2D barcoding

New bigger beads

CLEARStable's larger beads make handling easier, allowing for quicker freezing and thawing of your samples.

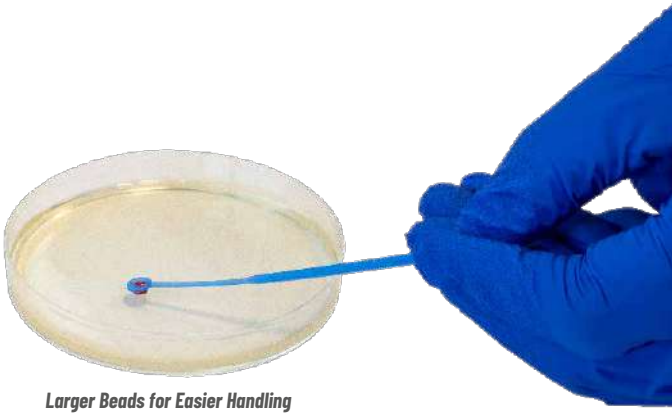


CLEARStable offers a reliable, innovative solution for the stable freezing and long-term preservation of microorganisms at multiple temperature settings. Each vial contains large porous beads, with or without cryoprotectant. Choice of 1D or 2D barcodes for quick sample identification and traceability on boxes and vials.

Advantage

- Extended and stable Preservation
- Multiple Freezing Temperatures
- Easy Handling
- Color-Coded identification
- Customizable Options





Larger Beads for Easier Handling

CLEARStable 1D barcoded tube 2ml

Code	Colour	With cryoprotectant	Sales units
CL1D80/AZ	Blue	X	80 vials
CL1D80/G	Yellow	X	80 vials
CL1D80/RO	Red	X	80 vials
CL1D80/V	Green	X	80 vials
CL1D80/BI	White	X	80 vials
CL1D80/MIX	Mixed colour	X	80 vials
CLDR1D80/AZ	Blue		80 vials
CLDR1D80/G	Yellow		80 vials
CLDR1D80/RO	Red		80 vials
CLDR1D80/V	Green		80 vials
CLDR1D80/BI	White		80 vials
CLDR1D80/MIX	Mixed colour		80 vials

CLEARStable 2D barcoded tube 2ml

Code	Colour	With cryoprotectant	Sales units
CL2D80/AZ	Blue	X	80 vials
CL2D80/G	Yellow	X	80 vials
CL2D80/RO	Red	X	80 vials
CL2D80/V	Green	X	80 vials
CL2D80/BI	White	X	80 vials
CL2D80/MIX	Mixed colour	X	80 vials
CLDR2D80/AZ	Blue		80 vials
CLDR2D80/G	Yellow		80 vials
CLDR2D80/RO	Red		80 vials
CLDR2D80/V	Green		80 vials
CLDR2D80/BI	White		80 vials
CLDR2D80/MIX	Mixed colour		80 vials

Rack 1D Only

Code	Description	Sales units
BSM58061B1D5/AZ	1D cryo BOX 81 places in PC, Blue grid	5 pcs

Rack 2D Only

Code	Description	Sales units
BSM580612D/5AZ	2D Cryobox 81 places in PC, Blue grid	5 pcs

Swabs

Swab with transport medium

Sterile swabs with polyethylene cap inserted in a polypropylene test tube Ø 12x150 mm complete with transport medium. Plastic or aluminium shafts. The swab is available dry or with various transport media: Stuart, Amies, Amies with charcoal.

Stuart: for general use, suitable for pharyngeal and vaginal samples.

Amies: for general use, suitable for taking samples from the eye, nose, ear, throat, skin, genital system.

Amies with charcoal: The addition of vegetable charcoal to the Amies medium improves the survival of Neisseria gonorrhoea and of intestinal pathogenic bacteria by neutralising toxic metabolites.

- Sterile
- Plastic or aluminium shaft sold separately
- Individually wrapped
- Cotton or viscose tip
- With transport medium
- Test tubes in polypropylene



BSM001/M BSM004

Code	Medium	Shaft material	Tip	Cap Colour	Sales units
BSM001	Stuart	Plastic	Viscose	Red	900
BSM001/M		Aluminium	Cotton	Orange	900
BSM003	Amies	Plastic	Viscose	Blue	900
BSM003/M		Aluminium	Cotton	Orange	900
BSM004	Amies + Charcoal	Plastic	Viscose	Black	900
BSM004/M		Aluminium	Cotton	Orange	900

Swab in test tube

- Sterile
- Plastic or aluminium shaft
- Cotton tip
- Without medium
- Test tubes in polypropylene
- Ø 12 x 150 mm
- With label



BSM032 BSM032/M

Code	Shaft material	Cap Colour	Units/Bags	Sales units
BSM032	Plastic	White	100	1000
BSM032/M	Aluminium	Orange	100	3000

Cotton-tipped swab

- Length 150 mm



BSM0319 BSM031 BSM030

Code	Sterile	Material	Units/Bags	Sales units
BSM0319	X	Plastic	Individually wrapped	2000
BSM031	X	Wood	Individually wrapped	5000
BSM030		Wood	In bag	10000

pH paper

- No colour migration identification zone
- 4 coloured zones on each strip

ClearLine



Code	Description	Sales units
442400	CLEARLine® pH Paper in strips - pH 0 - 14	100
442401	CLEARLine® pH Paper in 5m roll - pH 1 - 14	1
442402	CLEARLine® pH Paper refill in 5m roll - pH 1 - 14	3

Wooden tongue depressor

- Sterile
- Length 150 mm
- Individually wrapped



BSM011



Code	Sterile	Length (mm)	Units/Bags	Sales units
BSM011	X	150	Individually wrapped	100

Petri dishes and accessories

Petri dishes



- In transparent polystyrene
- Sterile and non-sterile
- Vented or non-vented

Code	Ø (mm)	Height (mm)	Venting	Sterile	Units/ Bags	Sales units
BSM200	60	13.2		X	10	1080
BSM201	60	13.2	X	X	10	1200
BSM212	90	14.8	X		20	480
BSM2120	90	16	X	X	20	480
BSM2124/S	90	14.2	X	X	20	480
BSM215	100	13.5	X	X	10	500
BSM220	120	13		X	10	320
BSM230	150	15	X	X	20	220

Sealing tapes for Petri dishes

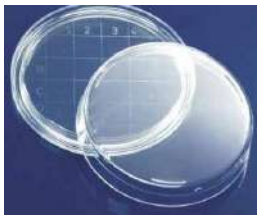
Adhesive tape for sealing and closing Petri dishes and microplates.



- They limit the risk of evaporation
- They reduce gas exchanges and therefore the risk of contamination
- Width: 12.7 mm
- Length: 35 m
- Good resistance to solvents, impermeable to liquids
- Use temperature -30°C / +70°C

Colours	Transparent	White	Red	Yellow	Blue	Sales units
Code	053001	053002	053003	053004	053005	1

Contact Petri dishes



- In transparent polystyrene
- Sterile
- Vented
- With grid

Code	Ø (mm)	Height (mm)	Units/Bags	Sales units
BSM190	55	14.0	20	1000
BSM191	94	15	20	500

Dispenser rack for Petri dishes

Epoxy coated steel rack for storing and distributing Petri dishes.



- 2 Models; Single rack or stand composed of three racks
- Contains 11 or 3 X 11 Petri dishes in polystyrene with a diameter of ø 90 mm or ø 100 mm in polystyrene
- Top loading
- The dish can be retrieved from the bottom

Code	Model	L x d x h (mm)	Capacity	Sales units
085495	1 Rack	145 x 110 x 280	11	1
085496	1 stand + 3 Racks	145 x 320 x 280	3 X 11	1

Petri dishes with sectors



- In transparent polystyrene
- Sterile
- Diameter 90 mm
- Vented

Code	Height (mm)	Number of sectors	Units/Bags	Sales units
BSM235	15	2	20	500
BSM236	15	3	20	500
BSM237	15	4	20	500

Sterile cell spreaders

Cell spreaders for microbiology are instruments specifically designed for handling microbiological samples during plating procedures. They are available in different ergonomic shapes specifically designed to adapt to the type of plate used and to ensure optimal comfort.

"L" shaped Cell spreaders

- Single-use sticks
- "L" shape with curved end
- In polystyrene
- Smooth surface
- Individually wrapped or bags of 10
- Sterile



Code	Description	Dimensions (mm)	Units/Bags	Sales units
BSM0230	"L" shaped Cell spreader in sterile ABS	149.6 x 39.8	10	200
BSM0231	"L" shaped Cell spreader in sterile ABS	149.6 x 39.8	1	500
BSM0235	"L" shaped Cell spreader in sterile ABS	149.6 x 39.8	5	500

"T" shaped sticks

- Easy handling
- "T" shape
- Sterile



Code	Description	Scraper Length (mm)	Units/Bags	Sales units
BSM0241	Sterile spatula	35	Packaging peel pack	500
BSM0245			5-piece peel pack	1000
BSM0240		34	10-piece peel pack	1000

Sterile cell spreaders

- Easy handling
- "Rake" shape
- Sterile



Code	Description	Dimensions (mm)	Units/Bags	Sales units
037877	Single-use cell spreader	172 x 37 x 14	1	500

Timer

Features 257092

- Up to 2 timers and/or 2 reversible counters
- Alarm clock, alarm, snooze functions
- Fast increment
- 2 alarms 1 mm
- Capacity: 24 h with seconds
- Time overrun
- Display: 40 x 17 mm
- Dimensions: 67 x 55 x 20 mm
- With stand, clamp and magnet



257092



090003



095304B

Features 090003

- Timer 60 minutes
- With handle and magnet

Code	Description	Sales units
090003	Mechanical timer 60 minutes	1
095304B	RL44 battery	1
257092	CLEARLine® ClearTime II Timer	1

Foam swabs with liquid collection-trasnport medium

AMIES liquid transport medium



Swabs with pink screw cap test tube containing 1 ml of AMIES liquid medium for the collection and preservation of aerobic, anaerobic and other sensitive bacteria such as Streptococcus pyogenes, Neisseria gonorrhoeae, Bacteroides fragilis, Haemophilus influenzae, Streptococcus pneumoniae, etc. up to 48 hours at room temperature or refrigerated. They can also be used for the collection and preservation of mycobacteria and fungi.

Code	Description	Units/Bags	Sales units
BSM080	Standard Tip	100 pcs	900 pcs (9x100)
BSM081	Fine Tip	100 pcs	900 pcs (9x100)

STUART liquid medium



Swabs with blue screw cap test tube containing 1 ml of STUART type liquid medium for the collection and preservation of Neisseria gonorrhoeae, Trichomonas vaginalis, Haemophilus influenzae, Bacteroides fragilis, Pseudomonas aeruginosa, Streptococcus pneumoniae, Streptococcus pyogenes, Corynebacterium diphtheria, enteric bacteria and upper respiratory tract bacteria.

Code	Description	Units/Bags	Sales units
BSM082	Standard Tip	100 pcs	900 pcs (9x100)
BSM083	Fine Tip	100 pcs	900 pcs (9x100)

CARY BLAIR liquid transport medium



Swabs with green screw cap test tube containing 2 ml of CARY BLAIR type liquid medium for the collection of clinical stool samples or rectal swabs and the preservation of enteropathogenic agents such as Salmonella, Vibrio, Escherichia coli, Shigella flexneri, S. typhimurium, E. faecalis (VRE), V. parahaemolyticus, Y. enterocolitica, C. jejuni, C. difficile, Campylobacter.

Code	Description	Units/Bags	Sales units
BSM084	Standard Tip	100 pcs	900 pcs (9x100)
BSM085	Fine Tip	100 pcs	900 pcs (9x100)

SELENITE liquid medium



Swabs with white screw cap test tube containing 2 ml of SELENITE type liquid medium (enrichment broth) for the collection of clinical stool samples or rectal swabs and specific for the transport, survival and isolation of Salmonella enterica and Shigella sonnei, reducing the growth of other enteropathogenic agents such as Escherichia coli and faecal streptococci.

Code	Description	Units/Bags	Sales units
BSM086	Standard Tip	100 pcs	900 pcs (9x100)
BSM087	Fine Tip	100 pcs	900 pcs (9x100)

Saline solution



Swabs with blue screw cap test tube containing 2 ml of sterile buffered physiological saline solution, pH 7.2. Particularly useful for immediately obtaining a diluted solution of the clinical sample ready for inoculation and/or analysis.

Code	Description	Units/Bags	Sales units
BSM088	Standard Tip	100 pcs	600 pcs (6x100)
BSM089	Fine Tip	100 pcs	600 pcs (6x100)

Liquid medium for Viruses, Chlamydia, Mycoplasma and Ureaplasma



Swabs with liquid transport test tube, stable at room temperature, suitable for the collection, transport and preservation of Viruses (including H1N1 Influenza), Chlamydia, Mycoplasma and Ureaplasma. The liquid medium allows the sample to be diluted easily and quickly, obtaining a homogeneous solution ready for use and suitable for obtaining several identical aliquots of sample to carry out different analyses.

Code	Volume (ml)	Description	Units/Bags	Sales units
BSM090	1	Standard Tip	100 pcs	600 pcs (6x100)
BSM091	1	Fine Tip	100 pcs	600 pcs (6x100)
BSM092	3	Standard Tip	100 pcs	600 pcs (6x100)
BSM093	3	Fine Tip	100 pcs	600 pcs (6x100)

1.8_ GINECOLOGY AND FERTILITY

Ginecology and fertility products:

- **Waldeck Testsimplets®**
- **Semen counts**
- **Fertility collector**
- **Cytology spray**
- **Vaginal speculum**
- **Ayre spatulas**
- **Brushes for cytological sampling**
- **Brushes for endocervical sampling**

These products are designed for safe and comfortable use.

They are manufactured following quality and reliability standards.



Waldeck Testsimplets®

Ready-to-use pre-stained slide for testing the following parameters:

- Characterisation and differentiation of blood cellular elements
- Cytological examination of milk, urine and cerebrospinal fluid CSF
- Vaginal secretions
- Tumour cells
- Staining of urinary sediments
- Staining of spermatozoa



Code	Description	Sales units
VBS1000	Ready-to-use pre-stained slide	50

Semen counts

Cell-VU® slide for semen counts

- For counting spermatozoa in undiluted samples
- Laser-engraved counting grid
- The slide is composed of 2 chambers, each 20 µl deep



Code	Description	Sales units
BSC729	Cell-VU® slide for semen counts (pack of 25 microscope slides and 50 cover slips)	50

1.8_ GINECOLOGY AND FERTILITY

Fertility collector

Seminal fluid collection system composed of a funnel that maximises the collection of material and, thanks to its large diameter, helps the patient for the collection itself.
As this funnel is placed on a graduated test tube, it avoids the risk for the operator of introducing potentially infected material into the container.

- Sterile
- With 15 ml graduated test tube in PS
- With separate label and test tube holder



Code	Description	Sales units
BSC740	Container for collecting semen	40

Cytology spray

- Kito-Fix cytology spray
- 100 ml bottle



Code	Description	Sales units
BSI109	Kito-Fix cytology spray	1

Vaginal speculum

The speculum has been designed with a fully anatomical profile. The central pin with locking scale allows the speculum to be locked at the desired opening.

- Sterile
- Individually wrapped
- In polystyrene
- With central pin



Code	Size	Internal packaging	Sales units
BSM240	Small	Single	200
BSM241	Medium	Single	200
BSM242	Large	Single	200

Ayre spatulas

Shaped spatulas in birch wood or polystyrene.

- Sterile
- Individually wrapped
- In polystyrene or wood
- Latex-free



Code	Material	Dim. (mm)	Sterile	Units/Bags	Sales units
BSM018	Polystyrene	180	X	Single	100
BSM016	Wood	180	X	Single	5000

Brushes for endocervical sampling

Brush for endocervical sampling.

- Allows both endocervical and exocervical cells to be collected
- Available sterile individually wrapped
- Length 210 mm
- Synthetic bristles in hypoallergenic material



Code	Description	Sales units
BSM022	Brush for endocervical sampling	100

Brushes for cytological sampling.

Brush for cytological sampling.

- Also available sterile individually wrapped
- Length 210 mm
- Synthetic bristles in hypoallergenic material



Code	Sterile	Units/Bags	Sales units
BSM009	X	Single	1000
BSM008			50

1.9_ CONTAINERS

Our containers for biological samples are available in both sterile and non-sterile versions. Equipped with lids, they ensure safety and prevent contamination. Ideal for collecting biological samples; used for accurate and reliable diagnostic analyses in the chemical, physical, microbiological and cytological fields.

- **Urine containers**
- **Stool collection containers**
- **Sputum collection containers**
- **24h urine containers**
- **Water sampling bottles**
- **Jars with screw cap and undercap**
- **Waste containers**

These products are made with materials that comply with high safety standards.



1.9_ CONTAINERS

Urine containers

Screw cap containers with writing area or label, graduated.

- In transparent polypropylene or polystyrene
- Red, white or blue screw cap
- Available individually wrapped
- Writing area or with label
- Easy-to-read graduation
- Sterile



BSC123 BSC665 BSC258 BSC195 BSC199

Code	Cap Colour	Volume (ml)	Diameter (mm)	Height (mm)	Sterile	Indiv. wrapped	Label	Writing area	Material	Sales units
BSC124	Red	30	28.0	82.0				X	PP	700
BSC123	Red	30	28.0	82.0	X	X		X	PP	500
BSC660	White	60	37.5	65.0				X	PP	600
BSC665	Red	60	37.5	65.0	X	X		X	PP	500
BSC145/CS	Red	60	38.0	65.0	X	X			PS	400
BSC253	White	120	56.0	70.0				X	PP	300
BSC258	Red	120	56.0	70.0	X	X		X	PP	250
BSC195	Red	200	59.0	85.0	X	X	X		PS	150
BSC198	Blue	200	64.0	90.0				X	PP	600
BSC199	Red	200	64.0	90.0	X	X		X	PP	200

Stool collection containers

- In transparent polypropylene or polystyrene
- With screw cap or pressure cap
- With writing area or with label
- Available individually wrapped
- With a spoon or scoop
- Sterile



BSC128 BSC132 BSC160 BSC163

Code	Cap Colour	Volume (ml)	Cap	Collection rod	Diameter (mm)	Height (mm)	Sterile	Indiv. wrapped	Grad.	Writing area	Material	Units/Bags	Sales units
BSC128	Red	30	Screw	Scoop	28.0	82.5			X	X	PP		700
BSC128/B	White	30	Screw	Scoop	28.0	82.5			X	X	PP		700
BSC132	Red	30	Screw	Scoop	28.0	82.5	X	X	X	X	PP	Single	500
BSC160	Blue	18	Pressure	Spoon	19.5	80.5					PS	250	1500
BSC163	Red	18	Pressure	Spoon	19.5	80.5	X			Label	PS		1000

Sputum collection containers

- In polystyrene
- With polyethylene pressure cap
- Also available sterile individually wrapped
- Wide mouth for easy use



BSC105 BSC146 BSC148

Code	Cap Colour	Volume (ml)	Cap	Diameter (mm)	Height (mm)	Sterile	Material	Sales units
BSC105	White	30	Supplied separately	33.5	39.5		PS	800
BSC146	Blue	60	Supplied separately	56.5	37.5		PS	400
BSC148	Red	60	Capped	56.5	37.5	X	PS	400

1.9_ CONTAINERS

24h urine containers

24h urine collection containers with handle for easy transport.

- In polyethylene
- Graduated
- 2500 ml



Also available in amber on page 80



Code	Model	Vol. (ml)	Handle	Dimensions (mm)	Sales units
BSL483	Bottle	2500	X	Ø 130 x 250	30
BSL486	Rectangular jerrycan	2500	Ergonomic	245 x 110 x 160	30

Water sampling bottles

Dedicated to optimising the sampling of water and/or food substances, intended for microbiological analysis, the bottles are designed paying attention to safety and ergonomics.

- Bottles in virgin PET
- With or without thiosulphate
- Traceability label
- Sterile
- Screw cap with integrity indicator
- Cap equipped with gasket for correct sealing
- Graduated



BLP001 *BLP002*



BLP004 *BLP003*

Code	Volume (ml)	Dimensions (mm)	Thiosulphate	Sales units
BLP001	500	70x70x145	X	120
BLP002	500	70x70x145		120
BLP003	1000	90x90x175	X	72
BLP004	1000	90x90x175		72

Sampling accessories



- Sterile cylindrical container in PP
- Capacity: 200 ml
- Screw cap with quick opening
- Leak-proof closure
- Usable length of the handle 20 cm
- Individually wrapped

Code	Description	Sterile	Units/Bags	Sales units
BSM100	200 ml PP sampler Screw cap and handle	X	1	80

Jars with screw cap and undercap

The plastic jars are sturdy, safe and easy to handle.
Equipped with undercap and screw cap, they are easy to use in various sectors: from chemistry to animal husbandry and agriculture, to use as containers for cosmetics and pharmaceuticals and many other fields.
Thanks to the wide mouth, they are suitable for containing: creams, semi-solid substances, crystals, granules and powders.

- Material: High density polyethylene
- Colour: Neutral - for food use



Code	Capacity (ml)	Diameter (mm)	Height (mm)	Mouth (mm)	Sales units
BSC246	70	50	60	36	400
BSC249	120	57	70	36	300
BSC250	250	67	90	50	200
BSC251	500	91	103	70	200
BSC252	1000	110	127	86	105

1.9_ CONTAINERS

Waste containers

Designed for the safe collection and correct disposal of waste generated during laboratory activities. Made of resistant materials and compliant with safety and environmental regulations, these containers are essential for maintaining a clean and safe working environment. Available in different sizes to adapt to the specific needs of the laboratory, they are equipped with safe closures to prevent spills and contamination.

Containers for sharp items - BS line

- In PP
- Excellent stability
- Easy interlocking assembly of the two shells
- Extremely easy to use
- Temporary closure and permanent closure with seal
- No emission of harmful gases during incineration
- Indication of the filling level


Needle removal notches


Temporary closure


Permanent closure



Code	Volume (l)	Dimensions (cm)	Material	Sales units
BSC300	1.5	11 x 12 x 12	PP	50
BSC301	3.0	14 x 17 x 17	PP	50
BSC302	6.0	22 x 18 x 18	PP	50

Containers for sharp items - PBS line

- In PP
- Ergonomic handle for the larger models
- Anti-flow flaps to prevent waste from spilling
- Insulin needle release mechanism
- Maximum filling level indication
- Availability of various supports
- No emission of harmful gases during incineration


Needle removal notches and anti-flow flaps


Temporary closure


Permanent closure



Code	Volume (l)	Dimensions (cm)	Material	Sales units
BSC311	0.6	H 14.5 Ø 10.0	PP	100
BSC303	0.8	H 18.4 Ø 10.0	PP	100
BSC305	2.0	H 21.0 Ø 14.0	PP	75
BSC304	5.0	H 19.5 Ø 21.3	PP	55
BSC312	12.0	H 31.0 Ø 24.8	PP	25

Containers for sharp items - DISPO line

- In PP
- Excellent stability with the use of suction cup supports
- Easy snap-fit assembly
- Needle and insulin pen release notches
- Wide opening to eliminate bulky objects
- Maximum filling level indication
- No emission of harmful gases during incineration
- Temporary and permanent closure


Easy opening


Needle and insulin pen removal notches


Wide opening



Code	Volume (l)	Dimensions (cm)	Material	Sales units
BSC306	4.0	H 25.0 Ø 16.9	PP	40
BSC315	1.5	H 24.0 Ø 14.0	PP	100

1.10_ HISTOLOGY AND MICROSCOPY

We offer a wide range of histology products:

- **Histology and biopsy cassettes**
- **Microscope slides**
- **Slide boxes**
- **Cyto cuvette**
- **Counting chambers**
- **Specimen pots**
- **Stains**
- **Bi-distilled water**

Our products are designed to ensure quality, precision and efficiency in your laboratory.



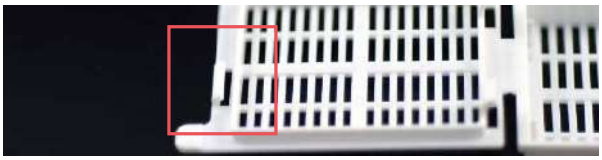
Histology and biopsy cassettes

Histology and biopsy cassettes with detachable lid. Made of acetal resin, resistant to decalcifying solvents, histological solutions and ultrasonic techniques. Writing area on 3 sides: one on the front and two on the side. Can be used on automatic instruments.

Innovative locking system

It eliminates the inconvenience of accidentally opening the cassette during processing with consequent loss of the sample and at the same time allows easy opening of the cassette.

1



2



3



4



Photo 1: This purpose is achieved through the presence of a front locking hook facing the inside of the cassette which, in the case of bulky samples, resists accidental opening.

Photo 2: Furthermore, the presence of special ribs on the lid prevents its forward movement with respect to the body of the cassette, ensuring the insertion and sealing of the two rear hooks in the appropriate slots (**Photo 3**), thus avoiding opening the cassette at the back.

Photo 4: The opening tab has no sharp edges and is structured to allow easy opening by the operator. The front writing area has an angle of 45°. Made of polyoxymethylene (POM).

Histology Cassettes

POM cassettes with detachable lid (40 x 28 x 7 mm) with rectangular holes (5 x 1 mm)



Code	Colour	Units/Bags	Sales units
BSI102	White	500	2000
BSI1022	Yellow	500	2000
BSI1024	Pink	500	2000
BSI1026	Green	500	2000
BSI1027	Orange	500	2000
BSI1028	Light Blue	500	2000

Biopsy cassettes

POM cassettes with detachable lid (40 x 28 x 7 mm) with square holes (1 x 1 mm)



Code	Colour	Units/Bags	Sales units
BSI103	White	500	2000
BSI1032	Yellow	500	2000
BSI1034	Pink	500	2000
BSI1036	Green	500	2000
BSI1037	Orange	500	2000
BSI1038	Light Blue	500	2000

6 single storage drawers

- In polystyrene
- Stores and identifies more than 165 embedding rings or 250 cassettes per drawer
- Shock resistant
- Identification labels included



Code	Description	Sales units
040669	6 single storage drawers	1

Histology sponge

- Protective sponges with controlled porosity
- For embedding cassettes
- Resistant to solvents used for processing
- Useful when preparing small biopsy specimens



Code	Colour	Units/Bags	Sales units
BSI105	Blue	500	5000

Cassette without lid

Embedding cassette without lid compatible with metal lids



Code	Colour	Units/Bags	Sales units
BSI104	White	500	2000

Steel lid

Steel lid for embedding cassettes

- Made of stainless steel
- 28 x 40 mm



Code	Units/Bags	Sales units
BSI220	10	20

Stainless steel base mould

- Made of stainless steel
- For embedding
- Smooth internal surface
- Can be used with embedding cassettes or rings



Code	Description	Sales units
040728	Stainless steel base mould 7 x 7 x 5 mm	12

1.10_ HISTOLOGY AND MICROSCOPY

Microscope slides

- Ready-to-use, washed and degreased microscope slides
- Packed in 50-piece boxes
- Thickness ± 1 mm
- With or without separating paper between the slides







Slides with divider papers

Code	Dim. (mm)	Angle	Cut rim	Ground rim	Writing Area	Sales units
VBS653/A	26 x 76	90°	X			2500
VBS654/A		90°	X		X	2500
VBS655/A		45°		X		2500

SILVER microscope slides

Code	Dim. (mm)	Angle	Cut rim	Ground rim	Writing Area	Sales units
VBS653	26 x 76	90°	X			2500
VBS654		90°	X		X	2500
VBS655		45°		X		2500
VBS656		45°		X	X	2500

SILVER microscope slides with coloured end

Code	Dim. (mm)	End colour	Angle	Ground Rim	Writing Area	Sales units
VBS656/B	26 x 76	White	45°	X	X	2500
VBS656/AZ		Light blue	45°			2500
VBS656/G		Yellow	45°			2500
VBS656/RA		Pink	45°			2500
VBS656/V		Green	45°			2500
VBS656/AR		Orange	45°			2500

Cover slips

- Thickness: 0.13 ± 0.17 mm
- Clear glass

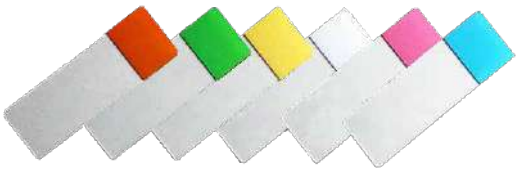


Code	Dim. (mm)	Thickness (mm)	Sales units
VBS633	18 x 18	0.15 ±0.2	2000
VBS634	20 x 20	0.15 ±0.2	2000
VBS636	22 x 22	0.15 ±0.2	2000
VBS637	24 x 24	0.15 ±0.2	2000
VBS638	24 x 32	0.15 ±0.2	1000
VBS649	24 x 40	0.15 ±0.2	1000
VBS650	24 x 50	0.15 ±0.2	1000
VBS651	24 x 60	0.15 ±0.2	1000

CLEARLine® microscope slides

- Ready-to-use, washed and degreased microscope slides
- Packed in 50-piece boxes
- Thickness ± 1 mm
- For inkjet printers









CLEARLine® microscope slides

Code	Dim. (mm)	Angle	Cut rim	Ground rim	Writing Area	Sales units
VBS6583	26 x 76	90°	X			2500
VBS6584		90°	X		X	2500
VBS6585		45°		X		2500
VBS6586		45°		X	X	2500

CLEARLine® microscope slides with coloured end

Code	Dim. (mm)	End colour	Angle	Ground Rim	Writing Area	Sales units
VBS6586/AR	26 x 76	Orange	45°	X	X	2500
VBS6586/AZ		Light blue				2500
VBS6586/B		White				2500
VBS6586/G		Yellow				2500
VBS6586/RA		Pink				2500
VBS6586/V		Green				2500

CLEARLine® slides for thermal transfer printers

Code	Dim. (mm)	End colour	Angle	Ground Rim	Writing Area	Sales units
VBS403	25 x 75	White	45°	X	X	2000
VBS404		Yellow		X	X	2000

CLEARLine® cover slips

- Thickness from 0.16 to 0.19 mm
- Clear glass
- For automatic coverslippers



Code	Dim. (mm)	Thickness (mm)	Sales units
VBS6504	24 x 50	0.16 to 0.19	1000
VBS6514	24 x 60	0.16 to 0.19	1000

Histobond®

Histobond® microscope slides are positively charged and allow greater adhesion of the sample under examination.



Code	Description	Internal units	Sales units
VBS5001	Adhesive slide, with silane-treated surface	100	2000

Slide boxes

- Individually numbered places
- Supplied with classification card
- Biological risk label on the upper part
- In ABS
- For 26 x 76 mm slides



Code	Dimensions (mm)	Places	Sales units
BSL274	3.0 x 5.0 x 8.0	12	15
BSL276	3.0 x 9.5 x 8.0	25	15
BSL277	3.0 x 8.0 x 20.0	50	15
BSL278	3.0 x 16.0 x 20.0	100	15

2-place slide holder

- 2-place slide holder
- For 26 x 76 mm slides
- Equipped with a ring for applying seals or identification tags



Code	Places	Sales units
BSI101	2	1000

Cardboard slide holders

- Suitable for temporary storage and transfer of slides
- Made of heavy, economical and reusable cardboard
- Suitable for standard slides (Dim. 26x76 mm; thickness 1.0±0.2 mm)
- With or without lid
- With or without dividers





Code	Description	Lid	Dividers	Sales units
BSI099	1 place	X	X	50
BSI100	2 places	X	X	50
BSI200	32 places	X		5
BSI201	4 places	X	X	50
BSI202	9 places			10
BSI203	10 places	X	X	5
BSI204	20 places	X	X	5
BSI205	20 places		X	10
BSI206	20 places	X		5

Post slide holder

- Post slide holder
- In polypropylene
- Snap closure
- With 1, 2 or 3 places
- For 26 x 76 mm slides



Code	Places	Units/Bags	Sales units
BSL923	1	10	200
BSL925	2	10	100
BSL924	3	10	100

Post slide holder from 5 to 10 places

- In polypropylene
- Screw cap
- 40 x 90 mm
- With ring for sealing applications
- For 26 x 76 mm slides



Code	Dimensions (mm)	Places	Units/Bags	Sales units
BSL922	40 x 90	from 5 to 10	50	250

Slide tray in plastic

- From 10 to 40 places
- In polystyrene
- White colour
- For 26 x 76 mm slides



Code	Dimensions (mm)	Places	Sales units
BSL671	34.0 x 10.0	10	40
BSL672	34.0 x 19.0	20	20
BSL673	34.0 x 40.0	40	10

1.10_ HISTOLOGY AND MICROSCOPY

Makler chambers

Counting chambers with predetermined depth, to obtain a single level of spermatozoa

- Lid with grid with 100 measuring cells, approx. 0.1 mm
- 10 µl space between the cells and the lid



Code	Description	Sales units
BS3568	Makler chamber	1

Schifferdecker staining jar

Soda-lime glass jar with lid, Schifferdecker type

- For 10 76 x 26 mm slides (or 20 slides placed back to back)



Code	Dimension (mm)	Capacity (mm)	Sales units
068511	l x w x h: 90 x 70 x 50	For 10 76 x 26 slides (or 20 slides placed back to back)	1

Hellendahl staining jar

Jar with lid, Hellendahl type

- In PMP (TPX) or glass
- For 8 slides in vertical position or 16 slides placed back to back
- l x w x h: 58 x 5 x 86 mm



Code	Dimension (mm)	Capacity (mm)	Sales units
391059	l x w x h: 58 x 5 x 86	8 76 x 26 slides (or 16 slides placed back to back)	1
068509	l x w x h: 58.5 x 58.5 x 100	8 76 x 26 slides	1

Coplin staining jar

Soda-lime glass jar with lid, Coplin type

- For 5 76 x 26 mm slides (or 10 slides placed back to back)

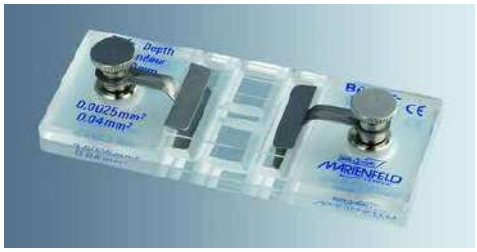


Code	Description	Sales units
068512	Staining jar Glass Coplin ø x h = 73 x 105 mm	1

Burker's chamber

Dark line
The standard counting chambers have the counting grids engraved on the bottom of the chamber.
Bright line
The "bright line" counting chambers have the counting grids engraved in a thin layer of metal.

- Manufactured with a special optical glass
- Chamber depth tolerances 2% (max)
- Complies with DIN ISO 12847



Counting chambers

Code	Type of chamber	With clamps	Type of grid	Sales units
VBS700A	Burker	X	Bright line	1
900514	Fuchs-Rosenthal	X	Dark line	1
900509	Nageotte	X	Dark line	1
900511	Improved Neubauer	X	Dark line	1
900512	Thoma	X	Dark line	1

Cover slips for cell counting chambers

Code	For chambers	Dimensions (mm)	Thickness (mm)	Sales units
140537	Malassez, Neubauer, Thoma, Fuchs-Rosanthal, Lemaur, Agasse Lafont	22 x 22	0.4	10
140599	Nageotte	22 x 30	0.4	100

Cyto Cuvette

Single-use chambers for cytocentrifuge with high-absorption cardboard sheet. Available with 1, 2 or 3 wells

- In polypropylene
- Compatible with Shandon centrifuges
- With separate caps


BSI1056


BSI1058


BSI1059

Code	Description	Sales units
BSI1056	1-well cyto cuvette with incorporated cardboard sheet	500
BSI1058	2-well cyto cuvette with incorporated cardboard sheet	500
BSI1059	3-well cyto cuvette with incorporated cardboard sheet	500

1.10_ HISTOLOGY AND MICROSCOPY

Specimen pots

- Pots in shock-proof polystyrene
- For surgical specimens
- With snap closure
- With or without silkscreen



Code	Dimensions (mm Ø)	Volume (ml)	Silk-screen printing	Sales units
BSC2512	125 x 70	500	X	180
BSC2511	125 x 70	500		180
BSC2522	125 x 120	1000	X	180
BSC2521	125 x 120	1000		180
BSC2520	200 x 130	2500	X	52
BSC2524	200 x 130	2500		52
BSC2527	200 x 215	5000	X	40

Immersion oil

Microscopy immersion media have approximately the same refractive index as glass. Thanks to immersion oil, the deflection of light rays is almost completely eliminated and the performance of microscope lenses is therefore considerably improved.



Code	Description	Sales units
BSI114	100 ml immersion oil	1

Eukitt embedding resin

- Rapid hardening
- Solidification in 20 minutes



Code	Description	Sales units
045798	Embedding resin - 100 ml bottle	1
045799	Embedding resin - 250 ml bottle	1

Stains

Ideal stains for Histology.

- In 250, 500 or 1000 ml bottles



Code	Description	Sales units
TBS494	Methylene Blue, 1% aqueous solution	250 ml
TBS614	Lugol's solution for colposcopy	250 ml
TBS757	Turk's reagent for leukocyte counting	1000 ml
TBS560	Giemsa stain (Methylene Blue)	500 ml
TBS625	May Grunwald	500 ml
777107	Gram stain kit	4 250 ml bottles

Bi-distilled water

Ready-to-use 'bag in box' bi-distilled water to optimise laboratory space.

- Bag in box packaging: plastic can with tap inside cardboard box

Code	Description	Sales units
TBS102	Bi-distilled water in 10 litre tank with tap	1



1.11_ HEMATOLOGY

We offer a range of products for hematology.

Our products include various diagnostic accessories and more:

- **Securdrop**
- **DIFF-SAFE® Blood Dispenser**
- **Breaklot stick**
- **Blood grouping strips**
- **Immunology plates**
- **Box for 4 blood grouping strips**
- **Microplate sealing film**



Securdrop

For piercing blood bag segment.

- Allows cells to pass easily
- Ribbed edges allow easy handling with gloves
- Fits 10 and 12 ml tube sizes
- Wide mouth fits most segments
- FDA approved
- Single-use



Code	Description	Sales units
BSA039TX	Bag segment piercing device	1000

DIFF-SAFE® Blood Dispenser

Eliminates the need to remove the cap from the blood test tube when performing a blood smear. DIFF-SAFE® Blood Dispenser is the answer to the growing concern about airborne pathogens in hematology laboratories.

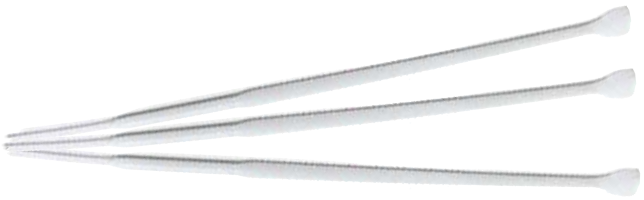
- Compatible with Vacutainer® and Hannagard® Brand test tubes
- Reduces smear time by half



Code	Description	Sales units
BSS700	Intended for microbiological testing	1000

Breaklot stick

- Shock-proof polystyrene
- Non-sterile



Code	Colour	Units/Bags	Sales units
BSA066	White	1000	3000

Blood grouping strips

For safe, easy, fast and clear blood group testing.

- Stackable for space saving
- In polystyrene



Code	Dimensions (mm)	Places	Sales units
BSA037	173 x 44.5 x 6	10	250

Immunology plates

- In polystyrene
- Available in 3 bottom types ("U", "V", "Flat")
- Sterile and non-sterile



Code	Bottom	Sterile	Sales units
BSD001	U		50
BSD002	V		50
BSD003	Flat		50
BSD010	U	X	300
BSD011	V	X	300
BSD012	Flat	X	300
BSD013	Plate cover (individually wrapped)		50
BSD013/S	Plate cover (individually wrapped and sterile)		50

Box for 4 blood grouping strips

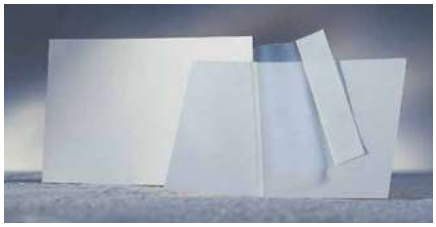
- In crystal polystyrene
- Box for 4 plates



Code	Description	Sales units
BSA0361	Cassette for 4 BSA037	20

Microplate sealing film

- For closing all plate models
- Aluminium temperature resistance: -30°C and +150°C
- DNase and RNase free



Code	Dimensions (mm)	Material	Sales units
106570	131 x 81.3	Aluminium	100



BLOOD COLLECTION SYSTEMS

2

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2.1_URINE VACUUM SAMPLING SYSTEM

A selection from our range of vacuum sampling products.

The range includes:

- **Urine vacuum containers**
- **Vacutainer urine tubes**
- **3000 ml containers with sampling probe**
- **Urine vacuum sampling probes**
- **Vacumed® venipuncture system**
- **Butterfly needles**
- **Syringes and needles**
- **Sampling system**
- **ESR system**
- **Sampling accessories**



Urine vacuum containers

- 120 ml container for urine with test tube aspiration
- In polypropylene
- Screw cap
- With writing area



Code	Volume (ml)	Sterile	Material	Packaging	Sales units
BSC202	120		PP	Bulk	300
BSC201				Single	250
BSC203		X		Bulk	300
BSC200		X		Single	250

Vacutainer urine tubes

- In a 100-piece polystyrene foam rack
- Sterile
- Pre-labelled



Code	For ml of urine	Bottom	Dim. (mm)	Boric Acid	Cap Colour	Sales units
BV057R	4	Cylindrical	13 x 75		Yellow	100
BV058R	6	Cylindrical	13 x 100			100
BV059R	10	Cylindrical	16 x 100			100
BV060R				X		100
BV079R	9	Conical	16 x 100			100

3000 ml containers with sampling probe

Containers for collecting and storing urine 24 hours.

- With ergonomic handle
- Graduated
- Amber colour for photosensitive analysis
- Screw cap with vacuum test tube aspiration device
- With 185 mm sampling probe
- Vol. 3000 ml
- Dim. 125 x 125 x 245 mm
- In polyethylene



Code	Model	Vol. (ml)	Grad.	Material	Sales units
BSL489	Rectangular	3000	X	polyethylene	30

Urine vacuum sampling probes

- Available in 2 versions:
  - with tube length 90 mm
  - with tube length 170 mm



Code	Description	Packaging	Sales units
BSS465	90 mm sampling probe for urine containers up to 200/250 ml	bag of 100 pcs	1000
BSS466	170 mm sampling probe for 24-hour urine containers	bag of 100 pcs	800

2.2_VACUMED® VENIPUNCTURE SYSTEM

- In a 100-piece polystyrene foam rack
- Pre-labelled
- Sterile
- PET test tubes
- With pre-calibrated aspiration
- Standard dimensions that ensure compatibility with all analysers, centrifuges and minor laboratory instrumentation



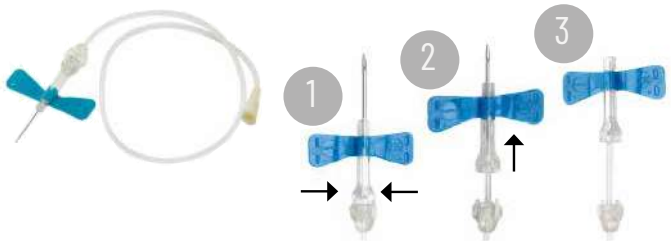
Code	For ml of blood	Dimensions (mm)	Additive	Cap Colour	Sales units
BV001R	2	13 x 75	K2 EDTA	Lavender	100
BV002R	3	13 x 75			100
BV003R	4	13 x 75			100
BV004R	6	13 x 100			100
BV080R	9	16 x 100			100
BV005R	2	13 x 75	K3 EDTA	Purple	100
BV006R	3	13 x 75			100
BV007R	4	13 x 75			100
BV008R	6	13 x 100			100
BV081R	9	16 x 100			100
BV087R	3	13 x 75	with Gel Separator + K2 EDTA	Pearl	100
BV088R	5	13 x 100			100
BV089R	8	16 x 100			100
BV009R	2	13 x 75	Potassium Fluoride + K3 EDTA	Grey	100
BV010R	3	13 x 75			100
BV011R	4	13 x 75			100
BV012R	6	13 x 100			100
BV086R	9	16 x 100			100
BV013R	2	13 x 75	Lithium Heparin	Dark Green	100
BV014R	3	13 x 75			100
BV015R	4	13 x 75			100
BV016R	6	13 x 100			100
BV082R	9	16 x 100			100
BV017R	2	13 x 75	Sodium Heparin	Light Green	100
BV018R	3	13 x 75			100
BV019R	4	13 x 75			100
BV020R	6	13 x 100			100
BV083R	9	16 x 100			100
BV021R	1.8	13 x 75	3.2% Sodium Citrate for coagulation	Light Blue	100
BV022R	2.7	13 x 75			100
BV023R	3.6	13 x 75			100
BV024R	1.8	13 x 75	3.8% Sodium Citrate for coagulation	Light Blue	100
BV025R	2.7	13 x 75			100
BV026R	3.6	13 x 75			100

Code	For ml of blood	Dimensions (mm)	Additive	Cap Colour	Sales units
BV027R	1.6	13 x 75	3.2% Sodium Citrate for ESR	Black	100
BV028R	1.8	13 x 75			100
BV029R	2.4	13 x 75			100
BV030R	3	13 x 75	Coagulation Activator	Red	100
BV031R	4	13 x 75			100
BV032R	6	13 x 100			100
BV033R	9	16 x 100			100
BV034R	3.5	13 x 75	Gel Separator + Coagulation Activator	Red	100
BV035R	5	13 x 100			100
BV036R	8	16 x 100			100
BV037R	3.5	13 x 75	Gel Separator + Coagulation Activator	Golden Yellow	100
BV038R	5	13 x 100			100
BV039R	8	16 x 100			100
BV040R	3.5	13 x 75	Gel Separator + Coagulation Activator	Electric Blue	100
BV041R	5	13 x 100			100
BV042R	8	16 x 100			100
BV043R	3.5	13 x 75	Granules Separator + Coagulation Activator	Brown	100
BV044R	5	13 x 100			100
BV084R	8	16 x 100			100
BV045R	3	13 x 75	Gel Separator + Lithium Heparin	Turquoise	100
BV046R	5	13 x 100			100
BV085R	8	16 x 100			100
BV047R	2	13 x 75	Without additives	White	100
BV048R	3	13 x 75			100
BV049R	4	13 x 75			100
BV050R	6	13 x 100			100
BV051R	9	16 x 100			100
BV052R	2	13 x 75	Without additives	Red	100
BV053R	3	13 x 75			100
BV054R	4	13 x 75			100
BV055R	6	13 x 100			100
BV056R	9	16 x 100			100

Butterfly needles

Butterfly needle with protection device

- Ensures excellent venipuncture with minimum resistance to penetration and maximum operator safety
- The design combines safety with simple and safe ease of use
- The stainless steel needle is ultra-thin walled, ultrasonically polished, internal and external siliconizing, special ultrasonic sharpening with triple facets to ensure trauma-free injection
- Sterile
- Nipro®



Code	Description	Tube (mm)	Colour	Sales units
BV100	19G X 3/4" (19mm)	300	Cream	50
BV101	21G X 3/4" (19mm)	300	Green	50
BV102	22G X 3/4" (19mm)	300	Black	50
BV103	23G X 3/4" (19mm)	300	Blue	50
BV104	25G X 3/4" (19mm)	300	Orange	50

Butterfly needles with protection device and Luer adapter

- The safety device consists of a system that allows the needle to be capped and immobilised with a single, simple and direct movement after sampling, eliminating the risk of accidental punctures

- Butterfly needles
- With safety device
- With Luer adapter
- Sterile
- Nipro®



Code	Description	Tube (mm)	Colour	Sales units
BV067R	21G x ¾"	190	Green	50
BV068R	22G x ¾"	190	Black	50
BV069R	23G x ¾"	190	Light Blue	50

Standard butterfly needles

- The Nipro® Butterfly Needle (Scalp Vein Set) ensures excellent venipuncture with minimal penetration resistance and maximum operator safety.

- 21, 23 or 25 G
- Sterile
- Nipro®



Code	Needle (G)	Tube (mm)	Colour	Sales units
BSS250	21G x ¾"	300	Green	50
BSS251	23G x ¾"	300	Black	50
BSS252	25G x ¾"	300	Light Blue	50

Standard butterfly needles with Luer adapter

- With Luer adapter
- Sterile
- Vacumed®



Code	Description	Tube (mm)	Colour	Sales units
BV064R	21G x ¾"	190	Green	50
BV065R	22G x ¾"	190	Black	50
BV066R	23G x ¾"	190	Light Blue	50

Vacumed® Holder, safety systems and Luer adapter



Code	Description	Sales units
BV061R	Vacumed® holder in polypropylene	100
BV063R	Vacumed® Luer adapter, sterile	100

Vacumed® disposable multiple sampling needles

- Sterile



Code	Description	Colour	Sales units
BV070R	Vacumed® multiple needle 20G x 1"	Yellow	100
BV071R	Vacumed® multiple needle 20G x 1 ½"		100
BV072R	Vacumed® multiple needle 21G x 1"	Green	100
BV073R	Vacumed® multiple needle 21G x 1 ½"		100
BV074R	Vacumed® multiple needle 22G x 1"	Black	100
BV075R	Vacumed® multiple needle 22G x 1 ½"		100

Syringes and needles

PIC® sterile syringes with needle for insulin

Sterile disposable syringe with needle, non-pyrogenic, non-toxic, U-100.

- Latex-free rubber plunger
- Highly transparent polypropylene
- Highly legible and stable graduated scale
- In individual "Peel Pack" blister pack
- Coloured plunger to identify U-100 insulin



Code	Model	Cone	Needle (G)	Pack.	Sales units
BSS133/A	PIC® syringe for insulin U100 1ml u100 g26x1/2"	Luer	0.45 x 13 mm	100	800

Nipro® syringes

- In transparent medical grade polypropylene with thermoplastic elastomer sealing gasket
- Colour-coded needle cone
- Black graduated scale, clearly visible
- Latex-free
- Sterile in individual packs



Code	Model (ml)	Luer cone	Needle (G)	Sales units
BSS134	2-2.5 (g: 0.1 -2.5/3)	Central	22G 1 -¼" black	100
BSS135	2-2.5 (g: 0.1 -2.5/3)	Central	-	100
BSS136	5 (g: 0.2 -5/6)	Central	-	100
BSS140	5 (g: 0.2 -5/6)	Central	21G 1-½" green	100
BSS137	10 (g: 0.2 -11/12)	Central	-	100
BSS141	10 (g: 0.2 -11/12)	Central	21G 1-½ green	100
BSS130	20 (g: 1 -20)	Eccentric	-	50
BSS131	50-60 (g: 1 -50/60)	Eccentric	-	30

Terumo® syringes

- PVC-free and Latex-free syringe
- Black graduated scale, with wear-resistant graduation, clearly visible
- Individual packaging in sterile blister packs
- Needle with transparent cone and colour code, for immediate identification of the flashback and the size (Gauge)
- Blister pack with colour code indicating the size (Gauge) of the assembled needle



Code	Model (ml)	Luer cone	Needle (G)	Sales units
BSS216	5	Central		100
BSS110	20	Eccentric		50
BSS111	50 - 60	Eccentric		100
BSS114	2.5	Central	22 G 1-1/2" - black	100
BSS120	5	Central	22 G 1-1/2" - black	100
BSS121	10	Central	22 G 1-1/2" - black	100

Nipro® needles

- Cannula: the stainless steel needle has a much thinner wall than standard needles
- Transparent cone with colour code: the transparent cone in polypropylene with colour code allows quick flashback confirmation and unique identification of the size (Gauge)
- From 18 G to 27 G
- Sterile



Code	Needle (G)	Size	Colour	Sales units
BSS230R	18	1-1/2" (38)	Pink	100
BSS231R	19	1-1/2" (38)	Cream	100
BSS232R	20	1-1/2" (38)	Yellow	100
BSS233R	21	1-1/2" (38)	Green	100
BSS234R	22	1-1/2" (38)	Black	100
BSS235R	23	1-1/4" (32)	Blue	100
BSS236R	25	5/8" (16)	Orange	100
BSS237R	26	1/2" (13)	Brown	100
BSS238R	27	3/4" (19)	Grey	100

Terumo® Agani™ Needles

- The cone is transparent and colour-coded for immediate flashback and identification of the size (Gauge)
- Sterile



Code	Needle (G)	Size (mm)	Colour	Sales units
BSS220	18	1-1/2" (38)	Pink	100
BSS221	19	1-1/2" (38)	Ivory	100
BSS222	20	1-1/2" (38)	Yellow	100
BSS223	21	1-1/2" (38)	Green	100
BSS224	22	1-1/4" (32)	Black	100
BSS225	23	1-1/4" (32)	Blue	100
BSS226	25	5/8" (16)	Orange	100
BSS227	26	1/2" (13)	Brown	100
BSS228	27	3/4" (19)	Grey	100

2.5_SAMPLING SYSTEM

Test tubes with granules separator and coagulation accelerator

- In rack for 50 test tubes
- With or without identification label
- With granules and coagulation accelerator





BSTA19 BSTA22 BSTA18 BSTA21

Code	Vol. (ml)	Material	Dim. (mm)	Labels	Cap Colour	Sales units
BSTA18	10	Polypropylene	16 x 100		White	1000
BSTA19				X		1000
BSTA21	10	Methacrylate	16 x 100			1000
BSTA22				X		1000
BSTA24	5	Methacrylate	12 x 86	X		1000
BSTA34	4	Methacrylate	13 x 75	X		1000

Code	Vol. (ml)	Material	Dim. (mm)	Labels	Cap Colour	Sales units
BST002	10	Methacrylate	16 x 100	X	Red	1000
BST006	5	Methacrylate	12 x 86	X		1000

Test tubes with anticoagulant

- In a polystyrene foam rack for 50 test tubes
- With identification label
- With standard or pierceable cap
- Polypropylene test tubes



Code	For ml of blood	Anticoagulant	Dim. (mm)	Pierceable cap	Cap Colour	Sales units
BST160	2.5	KF + Na2EDTA	12 x 86		Orange	1000
BST086	1	K2EDTA	12 x 56		Light Green	1500
BST084	2.5	K2EDTA	12 x 86			1000
BST077	2.5	K3EDTA	12 x 56			1500
BST079	2.5	K3EDTA	16 x 60			1500
BSS555	3	K3EDTA	13 x 75	X	Dark Green	1000
BSS555/VI	3	K3EDTA	13 x 75	X	Purple	1000
BST044	2.5	Lithium Heparin	16 x 60		Blue	1500
BST046	3	Lithium Heparin	13 x 75			1000
BST042	2.5	Lithium Heparin	12 x 86			1000
BST041	5	Lithium Heparin	12 x 86			1000

Test tubes with sodium citrate

- In rack
- With identification label
- With standard or pierceable cap



BST077 BSS555 BSS555/VI BST170

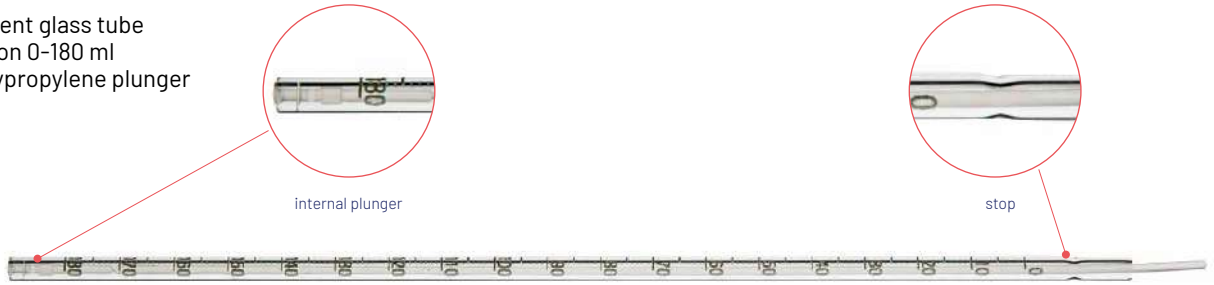
Code	For ml of blood	Na Citrate (ml)	Dimensions (mm)	Pierceable cap	Cap Colour	Sales units
BST168	2.7	0.3	13 x 75		Yellow	1000
BST096	4.5	0.5	12 x 86			1000
BST128	2.25	0.25	12 x 56	X	Pink	1500
BST125/RA	2.25	0.25	12 x 86			1000
BST170	2.7	0.3	13 x 75			1000
BST115	2	0.5	12 x 86			1000

ESR system

ESR glass pipettes

The pipette can be used to draw blood from any type of test tube. The aspiration system is direct and allows the operator, by pulling the internal plunger upwards, to raise the column of blood to "0", with automatic stop. The pipette has a graduated scale from "0" to "180" and therefore, as it is transparent, the reading is immediate. The support has 10 numbered positions and ensures the pipette is perfectly vertical.

- Transparent glass tube
- Graduation 0-180 ml
- With polypropylene plunger

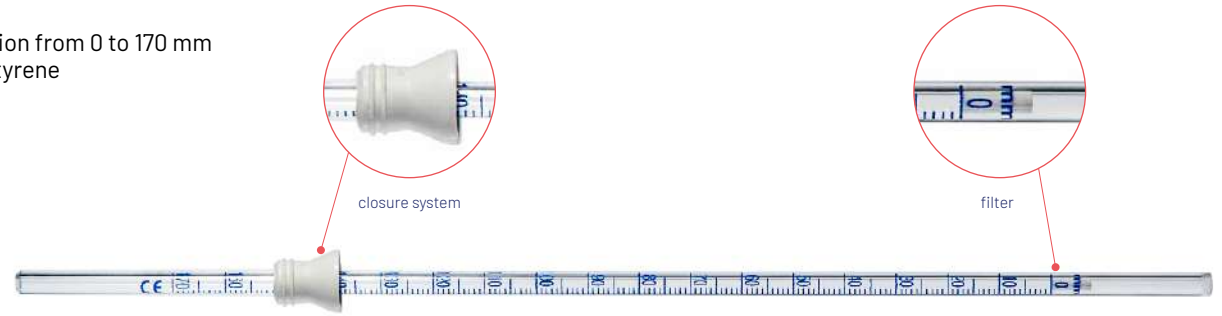


Code	Description	Dimensions (mm)	Graduation (mm)	Scale distance (mm)	Internal packaging	Sales units
BSV012	ESR glass pipette, graduated with polyethylene plunger	L 210, Ø 4.45	0 - 180	10	500	2000

ESR plastic pipettes

Disposable pipette specific for determining the erythrocyte sedimentation rate according to the Westergren method. At the upper end the pipette is equipped with a fibre cap that allows automatic reaching of the "0" level simply and safely. In the lower part, at a precise distance (49.5±1 mm. from the bottom), it is equipped with a plunger that allows rapidly filling the pipette through the pressure exerted inside the test tube.

- Graduation from 0 to 170 mm
- In Polystyrene



Code	Description	Dimensions (mm)	Graduation (mm)	Sales units
BSV0123P	ESR pipettes in polystyrene graduated with plunger	L 230, Ø 4.45	0 - 170	800

ESR test tube

NA CITRATE Test tube, ideal for ESR System.



Code	Description	Sales units
BSV0121	Na Citrate test tube 0.106 ml. 12x55, pierceable black cap, for 1 ml of blood	1000
BST128	Test tube with 0.25 ml of Na Citrate Ø 12 x 56 mm, pink cap, labelled, in polypropylene. Non-pierceable cap Double indicating arrow at 1 ml and 2.25 ml	1500

Rack for ESR pipettes

Rack for 10 ESR pipettes with support clamps.
This unique rack has the feature of supporting the ESR pipettes in a perfect vertical position.

- In ABS
- With 10 places
- White colour
- With support clamps



Rack

Code	Description	Material	Sales unit
BSV011	10-place ESR system rack in ABS	ABS	5

2.6_SAMPLING ACCESSORIES

Various sampling accessories

Disposable gloves

- MD CLASS I and PPE CATEGORY III
- Protection from biological agents, accidental contact with chemical substances
- Suitable for exploration, examination, medication, therapy, diagnostics, laboratory
- In powder-free latex or nitrile





Powder-free nitrile gloves

Code	Model	Size	Material	Sales unit
BSI080R	Powder-free	XS	Nitrile	200
BSI081R	Powder-free	S	Nitrile	200
BSI082R	Powder-free	M	Nitrile	200
BSI083R	Powder-free	L	Nitrile	200
BSI084R	Powder-free	XL	Nitrile	200

Powder-free latex gloves

Code	Model	Size	Material	Sales units
BSI034R	Powder-free	XS	Latex	100
BSI035R	Powder-free	S	Latex	100
BSI036R	Powder-free	M	Latex	100
BSI037R	Powder-free	L	Latex	100
BSI038R	Powder-free	XL	Latex	80

Paper roll

- 4 Kg paper roll
- Ideal for laboratory use
- Packs of 2 rolls
- Euro Wiper Pure paper
- Length 304 m (approx.)



Code	Description	Sales units
BES12424	4 Kg paper roll, (800 tears)	2

Plaster roll

- Dimensions 25 mm x 9.14 m
- In non-woven fabric



Code	Description	Sales units
BES13000	Plaster roll in non-woven fabric	10

Parafilm

Stretch film designed for closing laboratory containers.

- Thickness: 200 µm
- Liquid-proof, gas-permeable
- Use temperature: from -10°C to +60°C



Code	Description	Width (cm)	Length (m)	Sales units
090260	Parafilm ultra-stretch	10	38	1

Tourniquet

- In latex
- MD device class I non-sterile
- Internal diameter: mm 6 ±5%
- External diameter: mm 8 ±5%



Code	Description	Colour	Dimension (mm)	Sales units
ABS022	Round tourniquet, in natural latex, hemmed at the ends	Yellow	350 ± 5%	100

Bibula paper

- Filter paper 50 x 50 cm
- In 500-sheet boxes
- 67g paper



Code	Description	Sales units
ABS273	Extra-fast bibula paper 50 x 50 cm	500

2.6_SAMPLING ACCESSORIES

Simply Gel

SIMPLY GEL is a hydro-alcoholic gel specifically designed for hand antisepsis by simple rubbing, without the use of water. The use of a hand disinfectant is a very effective way to prevent infections. The presence of alcohol gives the product the unique property of containing the microbial flora of the skin (99%).



- Moisturises
- Protects against mechanical and chemical irritation
- Keeps the skin perfectly soft and supple

Code	Description	Sales units
BS3006	SIMPLY GEL 1000 ml with screw cap and ring seal and 2 dosing dispensers	12 bottles
BS3065P	SIMPLY GEL 500 ml with screw cap and ring seal and 4 dosing dispensers	12 bottles
BS3002	SIMPLY GEL 100 ml bottle with flip-top cap	12 bottles
BS3008	SIMPLY GEL 5-litre canisters	4 canisters

Lysonox® H2O2 ULTRA

Broad-spectrum disinfectant and detergent based on 5% hydrogen peroxide in synergy with alcohol. The biocide pool of the product makes it very active, also covering the sporicidal activity (high level disinfection) when needed. The product used for all compatible surfaces and furnishings does not need to be rinsed, thus eliminating any possible problem regarding contact times.



Code	Description	Bottle containing	Sales units
BS0506	Lysonox h202	1 l	12

Lysonox® SURFACES

Neutral pH foaming disinfectant and detergent with bactericidal, fungicidal, mycobactericidal and virucidal activity. Suitable for all surfaces and furnishings, even the most delicate.
NO RINSING REQUIRED.
Its certified activity on Viruses and on highly resistant strains such as Mycobacteria, makes it suitable for reducing the pathogenic load according to what is reported in the ministry document.



Code	Description	Bottle containing	Sales units
BS0231	Lysonox surface	750 ml	12

Aniosafe high frequency gentle soap

- For simple hand washing in hospital toilet facilities
- Recommended for frequent use, it is suitable for sensitive skin
- Formulated without cleansing agents, rich in moisturisers
- Protective effect against microbial pollution
- Dermatologically tested
- Suitable for sensitive skin and frequent use



Code	Description	Sales units
AN1918229	1 l bottles with screwed-in dispenser	4



SAMPLE TRANSPORT SYSTEM

3

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3.1_BIOLOGICAL SAMPLES

A wide range of certified transport containers. These containers are designed to protect samples and prevent spills, damage and contamination during transport.

- **CPT container transport system**
- **Vacuette® sample transport system**
- **Blood component transport system**
- **First aid backpacks**
- **Bags and Pouches**
- **Cooling Elements**

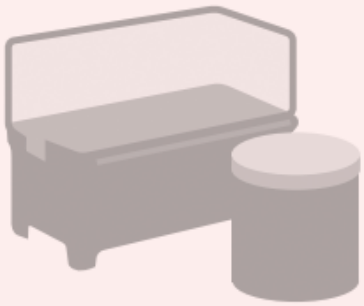


In accordance with the ADR/RID, IATA, IMDG Code and ICAO-TI Regulations, the packaging for shipping Biological Substances Category B (UN 3373) must consist of 3 components:



Primary Packaging

It is waterproof, it resists a pressure difference of at least 95kPA



Secondary Packaging

It is waterproof, it contains foam and absorbent material



Tertiary Packaging

Container or bag for insulated transport with the symbol "UN 3373" printed together with the text "Biological substance, Category B"

CPT tertiary containers

Bags for transport of samples, suitable for CPT secondary container

Biological sample protection and transport system for safety containers UN3373 - biological material Category "B", non-autoclavable, cold sterilisation.

- Exterior in 600/900 Polyester coated with PVC
- Interior in 210/210 Nylon coated with PVC
- Rigid heat-insulating structure with Elastolen padding
- Zip closure
- Internal pocket for housing cooling elements
- External document pocket
- Symbols: UN3373 - Biological Material Category "B"
- Can be disinfected with aqueous solutions of the most common disinfectants
- Can be sterilised with aqueous solutions of cold sterilisers
- Washable at 40°C
- Colour Blue



BS130413 BS130414 BS720204

Code	Capacity	Dimensions (cm)	Internal pocket for	Sales units
BS130413	1 container BS472041	21 x 26 x 36	1 cooling element	1
BS130414	2 containers BS472041	28 x 40 x 36	2 cooling elements	1
BS130415	3 containers BS472041	61 x 38 x 27	3 cooling elements	1
BS720204	4 containers BS472041	35 x 38 x 39	4 cooling elements	1

CPT secondary containers

CTP secondary container for transport of test tubes within/outside hospitals

Secondary container with handle equipped with sponge for 78 test tubes.

- Complies with the O.G. 236/99 guidelines for the transport of antiblastic drugs (Provision 5 August 1999)
- Hermetically sealed to prevent accidental leakage of biological fluids
- Quick and safe closure by applying pressure on the lid equipped with a handle
- Shock resistant to protect the operator in the event of an accidental fall
- Transparent material for constant control of the integrity of the contents
- Can be disinfected and sterilised to avoid contamination
- Internal pocket for cooling element
- Equipped with absorbent material on the bottom to contain accidental leakage of biological liquid
- Supplied with sponge for 78 blood sample test tubes



Code	Description	Dimensions (mm)	Sales units
BS472041	Transport Container for 78 Test Tubes (CTP)	310 x 155 x 180	1

Accessories for CPT containers

Reversible Rack

Reversible rack for 84 blood sample test tubes or 42 blood sample test tubes + 4 urine containers.

- Suitable for BS472041 transport container for test tubes (CTP)
- In polypropylene
- Can be disinfected and autoclaved up to 121°C
- Colour Blue



Code	Description	Dimensions (mm)	Sales units
BS00102	Reversible rack for 84 blood sample test tubes or 42 blood sample test tubes + 4 urine containers.	270 x 125 x 110	1

Absorbent sponge rack

For the secondary container BS472041.

- In polyurethane
- For 3 capacities: 6, 18 or 78 containers



BS390078



BS390079

Code	Holes	Capacity	Transport	Dimensions (mm)	Sales units
BS390078	78	1 container BS472041	Test tubes	28 x 12.8 x 6	1
BS390079	6	1 container BS472041	Urine containers, bottles	28 x 12.8 x 6	1
BS390080	18	1 container BS472041	Histology containers	28 x 12.8 x 6	1

Vacuette® tertiary containers

Bags for samples transport


BS720205


BS720201


BS720202


BS720203


BS720206

- Exterior in 600/900 Polyester coated with PVC
- Interior in 210/210 Nylon coated with PVC
- Semi-rigid heat-insulating structure with 8 mm Elastolen padding
- Zip closure
- Internal pocket for housing cooling elements
- External document pocket
- Symbols: UN3373 - Biological Material Category "B"
- Can be disinfected with aqueous solutions of the most common disinfectants
- Can be sterilised with aqueous solutions of cold sterilisers
- Washable at 40°C
- Colour Blue

Code	Capacity	Dimensions (cm)	Internal pocket for	Sales units
BS720201	1 container 40 test tubes	28 x 18 x 21	1 cooling element	1
BS720202	2 containers 80 test tubes	32 x 30 x 22	2 cooling elements	1
BS720203	3 containers 120 test tubes	43 x 30 x 20	3 cooling elements	1
BS720206	6 containers 240 test tubes, with shoulder strap	42 x 30 x 38	4 cooling elements	1
BS720205	1 container 12 test tubes	12 x 13	1 cooling element	1

Vacuette® secondary containers

Vacuette® VTC secondary container for 12 test tubes

VACUETTE® Transport Container (VTC) with sponge insert for 12 test tubes.

- Practical polypropylene container with a diameter of 113 x height of 180 mm
- For the transport of up to 12 test tubes
- With screw cap and absorbent pad
- Foam insert suitable for tubes with a diameter of 9 to 16 mm
- Secondary container for the transport of biological samples
- In polypropylene
- For 13x75 – 13x100 – 16x100 test tubes



Code	Description	Dimensions (mm)	Sales unit
BS800110	Container for 12 Test Tubes	113 x 130	1

Secondary containers for 40 test tubes

Secondary container for the transport of biological samples with foam insert for 40 test tubes.

- In polypropylene
- With silicone seal
- Supplied with absorbent sponge for 40 test tubes
- With absorbent cloth
- With snap closure with hooks
- Storage temperature from -18°C to +50°C
- Complies with ADR/RID (packing instruction P650), IATA-DG, ICAO-CODE and IMDG-CODE



Code	Description	Dimensions (mm)	Sales units
BS472040	Vacuette® secondary container for 40 test tubes	270 x 125 x 180	1

Vacuette® accessories

Absorbent test tube holder for secondary container


BS800101


BS472007


BS472008


BS472009

Code	Places	Suitable for	For the transport of	Sales units
BS800101	12	BS800110	Test tubes	1
BS472007	40	For BS472040	Test tubes and swabs	1
BS472008	3	Dimensions: diam. 21.8 x 6.8 cm	Urine containers, jars	1
BS472009	8		Stool containers	1

Cooling Elements

Ice packs

Cooling elements for tertiary transport bags.



BS4800


BS4900

Code	Description	Dimensions (mm)	Sales units
BS4800	Thermal pack suitable for BS720205	Ø 110	1
BS4900	Thermal pack suitable for tertiary container	L220 x W120 x H11	1

Tertiary containers for blood components

Isothermal semi-rigid tertiary containers for the transport of blood components

- Very light and easy to handle semi-rigid tertiary containers
- Equipped with an internal isothermal lining in aluminium and expanded polyethylene, which ensures temperature maintenance for medium-length journeys
- The containers are registered with the Medical Devices Directory as Class I Medical Devices
- A cooling plate can be inserted into the special pocket on the lid in order to increase the capability of maintaining the temperature
- Equipped with an external document pocket
- All components are latex-free



Code	Description	Size	Dimensions (mm)	Plate (ml)	Sales units
BS4005	EMO 101 Semi-rigid tertiary container	Small	280 x 200 x 190	200	1
BS4006	EMO 102 Semi-rigid tertiary container	Medium	280 x 260 x 190	400	1
BS4007	EMO 103 Semi-rigid tertiary container	Large	410 x 260 x 210	800	1

Cooling elements for transport at controlled temperatures

Ultra-flat eutectic plates for the transport of biological samples, drugs and blood components.

- Plate: Polyethylene
- Liquid: Mixture of water and salts



Code	Description	Dimensions (mm)	Weight (g)	Sales units
BS4008	Eutectic plate for container "EMO 101" BS4005	160 x 110 x 14	200	1
BS4009	Eutectic plate for container "EMO 102" BS4006	250 x 140 x 14	410	1
BS4010	Eutectic plate for container "EMO 103" BS4007	320 x 240 x 14	820	1

Secondary containers for blood components

Secondary containers for transporting blood components

Hermetically sealed secondary containers for the transport of blood and blood components. Approved for the transport of bags of whole blood, processed blood, platelets and plasma. Made of ultra-resistant polycarbonate and equipped with an isothermal coating in expanded polyethylene to maintain the temperature.

All containers are hermetically sealed
- Autoclavable at max 121°C

All containers are complete with:
- Handle and hooks
- Internal perforated plexiglass tray for housing cooling plates
- Silkscreen printing showing the symbols required by current legislation

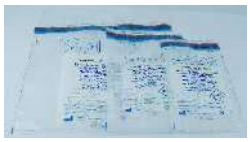
Compliance with regulations:
- UNI EN 829/98 (drop tests)
- A.D.R. (European Agreement concerning the International Carriage of Dangerous Goods by Road) – Instructions for use P650



Code	Description	Size	Compatibility	Sales units
BS4011	Secondary container in PC for the transport of blood components	Small	For container EMO 101 BS4005	1
BS4012	Secondary container in PC for the transport of blood components	Medium	For container EMO 102 BS4006	1
BS4013	Secondary container in PC for the transport of blood components	Large	For container EMO 103 BS4007	1

Safety bags approved for the transport of blood components

Hermetically sealed bags for the transport of blood components made of excellent quality HDPE, transparent to check for any internal spills and with maximum resistance to tears.



- Made of HDPE with a thickness of 70/90 microns
- Hermetic seal guaranteed by the patented Debasafe technology, with double stitching
- Liquid-proof
- Practical tear-off opening, without the need for blades/sharp objects
- Very wide and tamper-proof VOID edge gluing band
- Maximum resistance to lacerations and tears
- External document pocket
- Numbering with unique barcode for each bag
- Handle for easy transport (only code BS4004)

Code	Dimensions (mm)	Thickness (µm)	Sales units
BS4002	225 x410	70	500
BS4003	300x 450	70	500
BS4004	540 x520	90	200

Bags for transport of samples

Bags for transport of samples

Double pocket bags for the transport of biological samples separated from their documents.

- "Biohazard" Symbol
- In polyethylene
- Zip closure
- Available in 8 colours



Code	Colour	Dimensions (cm)	Sales units
BSA2401	Transparent	16 x 16 x 23h	1000
BSA2101	Yellow	16 x 16 x 23h	1000
BSA2201	Green	16 x 16 x 23h	1000
BSA2301	Light Blue	16 x 16 x 23h	1000
BSA2461	Red	16 x 16 x 23h	1000
BSA2601	Orange	16 x 16 x 23h	1000
BSA2701	Pink	16 x 16 x 23h	1000
BSA2801	Purple	16 x 16 x 23h	1000

Cooling Elements

Thermal container for 1 test tube

Cooling element for test tubes





Code	Description	Dimensions (mm)	Sales units
BSM570	Refrigerated container	16 x 100	12


open
short
speed



RAPID TESTS

4

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A complete line of rapid laboratory tests.
These products are designed to provide accurate and reliable results in minutes, with easy-to-use devices.

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Women's health

Code	Description	Sample	Positive control	Negative control	Cut-off	Format	Sales units
BSD219	Insulin-like growth factor-binding protein1 (igfbp-1)	Vaginal swab	No	No	25 ng/ml	Cassette	20
BSD525	Fast-step hcg	Serum or urine	No	No	25 mIU/ml	Cassette	40
BSD5250	Strip-test hcg	Serum or urine	No	No	25 mIU/ml	Strip	50

Occult blood

- Rapid one-step test for the qualitative determination of faecal occult blood

Code	Description	Sample	Positive control	Negative control	Cut-off	Format	Sales units
BSD680	Occult blood	Stool	No	No	50 ng/ml	Cassette	25
BSD6802	Buffer bottle for occult blood	Stool	No	No	7	Bottle	50

Others

Code	Description	Sample	Positive control	Negative control	Cut-off	Format	Sales units
BSD209	Waaler Rose (rheumatoid factor)	Serum	Liquid	Liquid	8 IU/ml	Agglutination	100
BSD920	Calprotectin	Stool	Powder	Liquid	50 µg/g or 140 ng/ml of stool	Cassette	25
BSDUS25	Dipstick Bence Jones free k/λ	Urine			30 mg/l	Strip	25

Infectious Diseases

- Rapid tests for the detection of infectious diseases caused by viruses and bacteria

Code	Description	Sample	Positive control	Negative control	Format	Sales units
BSD205	Malaria 4 Species (P.v./P.m./P.o/P.f)	Whole blood	Powder	Powder	Cassette	25
BSD206	Strep B	Vaginal or rectal swab of pregnant women; infant generic swab	Liquid	Liquid	Cassette	20
BSD207	Syphilis Tpha In Agglutination	Serum or plasma	Liquid	Liquid	Agglutination	100
BSD208	Streptococcus Pneumoniae Antigen	Urine	No	No	Cassette	40
BSD210K	Syphilis Rpr Kit For 300 Tests	Serum or plasma	Liquid	Liquid	Agglutination	1
BSD401	SARS-CoV-2 Antigen	Nasopharyngeal swab	No	No	Cassette	20
BSD585	Duo Rota Adenovirus	Stool	No	No	Cassette	20
BSD586	Adenovirus	Stool	No	No	Cassette	20
BSD587	Rotavirus	Stool	No	No	Cassette	20
BSD594	Tuberculosis	Serum-Plasma-Whole Blood	No	No	Cassette	40
BSD598	Clostridium Difficile Toxins A+B	Stool	Powder	Liquid	Cassette	20
BSD5981	Clostridium Difficile Gdh + Toxins A+B	Stool	Powder	Liquid	Cassette	20
BSD599	Tetanus	Serum-Plasma-Whole Blood	No	No	Cassette	40
BSD600	Chlamydia	Endocervical swab	No	No	Cassette	20
BSD613	Mononucleosis	Serum-Plasma-Whole Blood	Liquid	Liquid	Cassette	20
BSD614	COMBO Epstein-Barr Virus (EBV) VCA-IgM/mono	Serum-Plasma-Whole Blood	No	No	Cassette	25
BSD632	H-Pylori (Antigens)	Stool	Powder	Liquid	Cassette	25
BSD712	Syphilis	Serum-plasma	No	No	Cassette	25
BSD715	Strepto A	Pharyngeal swab	Liquid	Liquid	Cassette	20
BSD921	Campylobacter	Stool	Powder	Liquid	Cassette	25
BSD922	Salmonella	Stool	Powder	Powder	Cassette	25
BSD923	Legionella	Urine	No	No	Cassette	40
BSD940	Respiratory Syncytial Virus	Nasopharyngeal/nasal aspirate swab	On swab	On swab	Cassette	20
BSD951	Norovirus, Rotavirus, Combined Adenovirus	Stool	Powder	Liquid	Cassette	25
BSD952	Astrovirus	Stool	Powder	Liquid	Cassette	25
BSD953	Candida Albicans	Vaginal swab	Powder	Liquid	Cassette	20
BSD211	VDRL Agglutination Test - for 250 tests	Fresh serum, plasma or cerebrospinal fluid	Liquid	Liquid	Agglutination	1

Drugs of abuse

- One-step test for the qualitative determination of drugs and their metabolites in urine. For professional in vitro diagnostic use only
- Tests without positive and negative controls

Single-parameter test

Code	Substance		Sample	Cut-off (ng/ml)	Format	Sales units
BSD700	MOP	Morphine/Heroin	Urine	300	Cassette	25
BSD701	THC	Marijuana	Urine	50	Cassette	25
BSD702	COC	Cocaine	Urine	300	Cassette	25
BSD703	AMP	Amphetamine	Urine	300	Cassette	25
BSD704	MET	Methamphetamine	Urine	500	Cassette	25
BSD706	BAR	Barbiturates	Urine	300	Cassette	25
BSD707	BZO	Benzodiazepines	Urine	300	Cassette	25
BSD708	MTD	Methadone	Urine	300	Cassette	25
BSD7081	EDDP	2-ethylidene-1 5-dimethyl-3 3-diphenyl pyrrolidine	Urine	300	Cassette	40
BSD709	MDMA	Methylenedioxymethamphetamine	Urine	500	Cassette	25
BSD710	TCA	Tricyclic antidepressants	Urine	1000	Cassette	40
BSD7101	KET	Ketamine	Urine	1000	Cassette	25
BSD7102	FYL	Fentanyl	Urine	20	Cassette	40
BSD719	OXY	Oxycodone	Urine	100	Cassette	25
BSD730	BUP	Buprenorphine	Urine	10	Cassette	25
BSD930	CAF	Caffeine	Urine	1000	Strip	50
BSD932	LSD	Lysergic acid diethylamide	Urine	20	Cassette	40
BSD935	COT	Cotinine (nicotine)	Urine	200	Strip	50
BSD936	ETG	Ethyl glucuronide (alcohol)	Urine	1000	Cassette	40



Multi-parameter tests

Card

Code	BSD711			BSD779			BSD717		
Number of Parameters	5			8 + alcohol			9		
Substance and Cut-off ng/ml	AMP	Amphetamine	1000	MTD	Methadone	300	AMP	Amphetamine	500
	COC	Cocaine	300	MDMA	Methylenedioxymethamphetamine	500	COC	Cocaine	300
	THC	Marijuana	50	COC	Cocaine	300	THC	Marijuana	50
	MET	Methamphetamine	1000	AMP	Amphetamine	500	MET	Methamphetamine	500
	MOP	Morphine/Heroin	300	MET	Methamphetamine	500	BZO	Benzodiazepines	300
				THC	Marijuana	50	MDMA	Methylenedioxymethamphetamine	500
				MOP	Morphine/Heroin	300	MTD	Methadone	300
				BUP	Buprenorphine	10	MOP	Morphine/Heroin	300
				ALCOHOL	Alcohol	x	BUP	Buprenorphine	10
Sample	Urine								
Positive control	No								
Negative control	No								
Sales units	25 pcs								

Code	BSD714			BSD716		
Number of Parameters	10			12		
Substance and Cut-off ng/ml	AMP	Amphetamine	1000	AMP	Amphetamine	1000
	COC	Cocaine	300	COC	Cocaine	300
	THC	Marijuana	50	THC	Marijuana	50
	BZO	Benzodiazepines	300	MET	Methamphetamine	1000
	TCA	Tricyclic antidepressants	1000	OPI	Opium	2000
	BAR	Barbiturates	300	PCP	Phencyclidine	25
	MET	Methamphetamine	1000	BZO	Benzodiazepines	300
	MOP	Morphine/Heroin	300	TCA	Tricyclic antidepressants	1000
	MTD	Methadone	300	BAR	Barbiturates	300
	MDMA	Methylenedioxymethamphetamine	500	MDMA	Methylenedioxymethamphetamine	500
				MTD	Methadone	300
				MOP	Morphine/Heroin	300
Sample	Urine					
Positive control	No					
Negative control	No					
Sales units	25 pcs					



Immersion

Code	BSD770			BSD778		
Number of Parameters	7			8		
Substance and Cut-off ng/ml	AMP	Amphetamine	500	MTD	Methadone	300
	COC	Cocaine	300	MDMA	Methylenedioxymethamphetamine	500
	THC	Marijuana	50	COC	Cocaine	300
	MET	Methamphetamine	500	AMP	Amphetamine	500
	MTD	Methadone	300	MET	Methamphetamine	500
	MDMA	Methylenedioxymethamphetamine	500	THC	Marijuana	50
	MOP	Morphine/Heroin	300	MOP	Morphine/Heroin	300
				BUP	Buprenorphine	10
Sample	Urine					
Positive control	No					
Negative control	No					
Sales units	25 pcs					





Parasitology

Rapid Tests

- Rapid tests for the detection of intestinal parasites

Code	BSD202	BSD890	BSD954
Description	Crypto/Giardia	Giardia	Cryptosporidium
Sample	Stool	Stool	Stool
Positive control	No	Liquid	No
Negative control	No	Liquid	No
Cut-off (cysts/ml)	Cryptosporidium antigen (1:200) giardia 3125	3125	Cryptosporidium antigen (1:200)
Format	Cassette	Cassette	Cassette
Sales units	25 pcs	25 pcs	25 pcs

Enrichment system

Biorepair, optimised system for the concentration of parasites in stool.

The kit includes:
- 50 test tubes with filter
- 50 test tubes pre-filled with Bailenger solution with spoon cap
- 100 ml bottle of reagent B (Ethyl Acetate)
- 15 ml bottle of reagent C (Lugol)



Code	BSD855/E
Description	Biorepair - Faecal parasite enrichment system + ethyl acetate + lugol
Sample	Stool
Positive control	No
Negative control	No
Cut-off	NA
Format	NA
Sales units	1 pc

Urinalysis

Urinalysis strips

- 2- or 10-parameters reactive strips



Code	BSD742		BSD749SG	
Number of Parameters	2		10	
Description	KET GLU	Ketones Glucose	LEUC NIT UR PR PH BLOOD SG KET BIL GLU	Leucocytes Nitrites Urobilinogen Proteins PH Blood Specific weight Ketones Bilirubin Glucose
Format	Strip		Strip	
Positive control	No		No	
Negative control	No		No	
Sales units	1 pack of 100 strips		1 pack of 100 strips	

Adulteration strips

- The strip test allows checking for any adulteration of urine samples subjected to analysis to detect drug abuse.
- The test allows detecting 7 parameters: Creatinine, Nitrites, Glutaraldehyde, pH; specific weight; Bleaching agents and Pyridinium.



Code	BSD913
Description	Urine adulteration
Sample	Urine
Positive control	No
Negative control	No
Sales units	1 pack (25 strips)

Ideal articles for occupational medicine

Safety pouches

Numbered tamper-evident pouches.

- Made with an ultra-resistant glue.
- Double numbering: one on the part that must be sent, and the other on the control coupon that will remain in your hands.
- Once the glue has set, there is no way to open it without leaving obvious signs of tampering



Code	Colour	Dimensions (cm)	Sales units
BSA2350	White	235 x 320 + 30 + 30	500

Tamper-evident labels

Tamper-evident labels designed for the dual signature of the patient and operator.
Suitable for application on smooth or satin surfaces in plastic, metal, glass, paper/cardboard.
Permanent adhesive. When the label is removed, 'triangles' appear on the surface to highlight any tampering with the container.



Code	Colour	Dimensions (mm)	Sales units
BSO071	Silver	23 x 160	1000 (250 4-label sheets)


C
T
SARS-CoV-2


600
400
200

INSTRUMENTATION

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Explore our catalogue some of the laboratory instruments, with stirrers, vortex mixers and bench microcentrifuges to handle samples with maximum efficiency; integrated workstation for advanced experiments.

In addition, our high-quality laboratory glassware, ideal for safe and precise handling of chemical solutions.

To explore the full range of equipment and instruments, we invite you to visit the dedicated page on www.biosigma.com

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ClearLine

Orbital stirrers

- With classic plate or magnetic "Magic Clamp" (to be used with the classic plate, sold separately)
- Full range of orbital stirrers: 4 models






Code	060956CL	062819CL	060976CL	060954CL
Model	Mini orbital stirrer	Orbital stirrer	MP orbital stirrer for microplates	Blotter orbital stirrer
Maximum stirring speed (rpm)	300	300	1500	70
Minimum stirring speed (rpm)	50	30	200	3
Width (mm)	19	19	3	19
External dimensions (cm)	28 x 27 x 13	28 x 33 x 7.5	28 x 27 x 12	35 x 30 x15
Weight (kg)	5.5	11.5	5.5	5.5
Power supply	230 V, 50 - 60 Hz	230 V, 50 - 60 Hz	230 V, 50 - 60 Hz	230 V, 50 - 60 Hz
Erlenmeyer capacity: 125 / 250 / 500 ml	12 / 8 / 6	24 / 14 / 9		24 / 14 / 9*
Erlenmeyer capacity: 1 / 2 l	4 / -	5 / 2		5 / 3*
Number of microplates		4	4	
Compatible with «Magic Clamp»	Yes	Yes	No	No
Supplied with	Classic plate + anti-slip mat 24 x 20 cm	Classic plate + anti-slip mat 33 x 30 cm	Magnetic plate for 4 microplates	Classic plate + anti-slip mat 35 x 30 cm
	Digital	Touchscreen	Digital	Analogue

* only for low speed applications.

Programmable rotary stirrers

- Advanced programming, with a wide choice of rotation modes
- 360° rotation, complete or interrupted by pauses and mixing intervals
- Suitable for use in cold rooms and incubators
- Optional plate for tilting function

Code	062649CL	062650CL
Model	Programmable rotary stirrer	Programmable mini rotary stirrer
Speed (rpm)	1 - 80	
Stirring angle	Up to 360°	
Accessories included	5 racks for 6 1.5 ml test tubes 8 racks for 1 15 ml test tube 2 racks for 1 50 ml test tube	2 racks for 6 1.5 ml test tubes 2 racks for 1 15 ml test tube 2 racks for 1 50 ml test tube
Timer	From 1 s to 99 h 59 min or continuous	
Use temperature	from +2°C to +70°C	
Dim. (l x d x h) (mm)	410 x 137 x 199	290 x 137 x 199
Weight (kg)	2.27	1.8
Power supply	100 - 240 V, 50 - 60 Hz, 3 A	



Adapters

Code	For test tubes (ml)	For test tubes Ø (ml)	Adapters	Maximum number of adapters		Description	Sales units
				Standard	Mini Stirrer		
062651	1.5	10-13	6	16	10	Vertical/ Horizontal	12
062652	15	16-17	1	22	10	Vertical	12
062653	50	28-30	1	12	6	Vertical	6
062654	15	16-17	6	2	1	Horizontal	6
062655	50	28-30	6	2	1	Horizontal	6

Accessories

Code	Description	Sales units
062656	Rocker plate dimensions 152 x 254 mm	1
062657	Rocker plate dimensions 152 x 127 mm	1

Rotary stirrer

- Adjustable mixing speed and angle
- Sequential and reversible rotation (rotation up to 360°C and then inversion)
- Clip with anti-slip coating

3 carousels included:
- 48 x 1.5 ml
- 20 x 15 ml
- 12 x 50 ml



Code	062646CL
Speed	40 rpm
Tilt	Variable (0-90°)
Capacity (ml)	12 x 50, 20 x 15, 48 x 2
Timer	Continuous / 1 second every 9 hours
Use temperature	4°C / 65°C
Dimensions (mm)	21 x 27 x 32
Weight (kg)	3.2
Power supply	100V - 240V; 50 - 60Hz; 25W

Mini magnetic stirrer



Code	062703CL
Capacity (l)	1.5
Speed (rpm)	100 - 1500
Plate dimensions (cm)	8.5 x 8.5
External dimensions l x d x h (mm)	120 x 120 x 30
Weight (kg)	0.2
Use temperature	Max 45°C
Power supply (W/V/Hz)	2 / 240 / 50 - 60

Miniaturised vortex mixer

- Miniature model
- Pressure activation



Code	062599CL
Speed (rpm)	2800
Width (mm)	4
Use temperature	4°C / 65°C
Dimensions (l x d x h) (mm)	94 x 99 x 66
Weight (kg)	0.4
Power supply	100 - 240 V / 50 - 60 Hz

ClearLine

Lab Basics microcentrifuge

- Ideal for concentrating drops at the bottom of the test tube
- Compact
- Silent (≤ 45 dB)
- Easy to use: automatic start and extension when opening/ closing the lid
- Tool-free rotor change
- Supplied with: a) 1 rotor for 8 0.2 / 0.5 / 1.5 / 2.0 ml microtubes
  b) 1 rotor for 4 strips of 8 0.2 ml PCR tubes



Code	258253
Capacity	8 microtubes or 32 0.2 ml PCR tubes
Speed (rpm)	7000
RCF acceleration (g)	2680
External dimensions l x d x h (mm)	160 x 170 x 122
Weight (kg)	0.5

ClearLine® microcentrifuge

- For 5 ml and 1.5 / 2 ml microtubes
- Adapter for 12 x 75 mm tubes included
- Starts and stops by closing or opening the lid



Code	062586CL
Capacity	4 5 ml microtubes and 4 1.5 / 2 ml microtubes
Speed (rpm)	5500
RCF acceleration (g)	2000
External dimensions l x d x h (mm)	140 x 200 x 112
Weight (kg)	1
Power	100 - 240 V/50 - 60 Hz/300 W
Power supply (W/V/Hz)	2 / 240 / 50 - 60

DNA and PCR workstations

- UV chamber with bactericidal UV lamps with 254 nm wavelength
- Models with glass or plexiglass walls
- Digital timer
- Internal lighting: white light (15 W lamp)

Ideal for safe sample preparation:

- UV radiation disinfects the internal surface, deactivating any DNA/RNA molecule, in 15-30 min
- automatic switch-off of radiation when the door is opened
- bactericidal chamber decontamination system, by means of clean air circulation



Code	490005	490005B	712247
Model	Plexiglass	Glass	Glass 1200 mm
UV radiation			
Wavelength	+/- 253.7 nm		
UV lamps	1 x 25 W		2 x 30 W
UV intensity	15 mV/cm²/s		
UV recirculator (efficiency ' 99% / h)	1 x 25 W		1 x 30 W
Instrument walls			
External dimensions (cm)	28 x 27 x 13	28 x 33 x 7.5	28 x 27 x 12
Material	Plexiglass	Glass	Glass
Side thickness (mm)	4		
Front thickness (mm)	8		
Screen thickness (mm)	8	4	5
Optical transmission	92%	95%	
UV protection	› 99.9%	› 96%	
Other information			
External dimensions (mm) L x d x h	690 x 535 x 555		1245 x 585 x 585
Work area (mm)	650-475		1200-520
Net weight (kg)	23	31	58
Net weight (kg)	33	39	68.5
Electricity consumption	253 W; 1.2 A		320 VA (1.4 A)
Power supply	230 V/50 Hz		230 V, 50/60 Hz

Borosilicate glass bottles

- Made of high-quality borosilicate glass 3.3 according to ISO 3585
- ISO 4796-1
- With blue polypropylene cap and anti-drip ring
- Excellent chemical and thermal resistance
- With white graduated marks and writing area
- Class B

Code	Volume (ml)	Ø x h (mm)	Sales units
257063	100	56-100	10
257064	250	70-138	10
257065	500	86-176	10
257066	1000	101-225	10
257067	2000	136-260	10
257107	5000	186-330	1
257108	10000	234-410	1
257109	20000	299-505	1



Borosilicate glass beakers

- Made of high-quality borosilicate glass
- With white graduated marks and writing area
- Excellent chemical and thermal resistance
- Class B

Code	Volume (ml)	Ø x h (mm)	Sales units
257055	25	34 x 50	12
257056	50	42 x 60	12
257057	100	50 x 70	12
257058	150	60 x 80	12
257059	250	70 x 95	12
257060	400	80 x 110	12
257061	600	90 x 125	6
257062	1000	105 x 145	6
257145	5000	170 x 270	2
257146	10000	217 x 350	1
257147	20000	285 x 430	1



Narrow neck flasks

- Made of high-quality borosilicate glass
- With white graduated marks and writing area
- Excellent chemical and thermal resistance
- Class B



Code	Volume (ml)	Ø x h (mm)	Int. neck Ø (mm)	Sales units
257068	50	80 x 54	24	12
257069	100	105 x 64	29	12
257070	250	145 x 85	31	6
257071	500	184 x 103	36	6
257072	1000	131 x 214	42	6

Tall shape cylinders

- Made of high-quality borosilicate glass
- Class B
- With white graduated marks
- Excellent chemical and thermal resistance
- Sturdy hexagonal base

Code	Volume (ml)	Height (mm)	Sales units
257073	10	135	2
257074	25	160	2
257075	50	195	2
257076	100	250	2
257077	250	300	2
257078	500	350	2
257079	1000	430	1





INDUSTRY 4.0

Automated industrial production

Fully automated production plant with bidirectional data interconnection between Machines and the Company ERP System.

The new system that allows everyone to see the status of all machinery in real time, with a convenient Web panel, in ERP or spreadsheets.

- New MES IOT system
- Real time monitoring of all machinery
- Progress, programming, events, everything tracked
- Complete traceability of raw materials
- Resource management with MRP and Scheduler



WAREHOUSE

WMS with MRP procedures

Our only goal: to satisfy our customers by totally complying with our commitments.

We are prepared and structured to support our customers in the long term:

- Innovative, proactive, reactive, reliable, traceable logistics, with immediate deliveries
- The largest stock of consumables and materials in Europe
- Optimisation of flows, order preparation and storage location
- New WMS system with MRP logic
- Availability and real-time accessibility of high-quality information for all
- Ability to absorb business growth.



CSR

Social and Environmental Responsibility
Data protection, security and privacy

We are committed to protecting our employees, promoting their well-being in the workplace, valuing them and encouraging their development, but also promoting social dialogue and good management practices.

- Protecting the health and physical integrity of employees
- Fighting any form of discrimination
- Promoting well-being in the workplace through respect for the balance between private and professional life
- Valuing and developing our employees through opportunities, training and support
- Promoting social dialogue

- Data protection security measures - security policy
- Business Continuity Plan
- Database RTO and RPO

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Guides in PDF format, sorted by chapter, are available for many products. They can be consulted by typing the product code in the search bar on the home page.

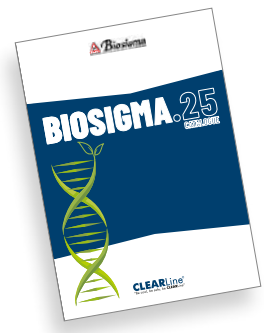
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TECHNICAL INFORMATION SHEET FOR THE MATERIALS USED

CYCLIC OLEFIN COPOLYMER (COC)
Thermoplastic resin with low dielectric constant, without dielectric tangent, special quality for high frequency with low water absorption, low specific gravity, high resistance to rewashing, excellent transparency, particularly suitable to produce reading cuvettes for specific instrumentation.

POLYETHYLENE (PE)
Thermoplastic polymer, slightly opaque, light, unbreakable, excellent chemical resistance, good resistance to solvents, particularly suitable to produce Pasteur pipettes and caps for test tubes.

POLYMETHYL METHACRYLATE (PMMA)
Acrylic resin, transparent, rigid, very similar to glass in laboratory uses. It is well suited to create reading cuvettes for scientific instruments and test tubes for blood samples.

POLYOXYMETHYLENE (POM)
Product obtained from the polymerisation of formaldehyde, light, unbreakable, excellent chemical resistance to bases and solvents used in pathological anatomy.

POLYPROPYLENE (PP)
Thermoplastic polymer, slightly opaque, excellent chemical resistance to solvents; resists autoclave sterilisation at about 120°C, excellent resistance to centrifugation. Particularly used to produce biological containers and test tubes.

POLYSTYRENE (PS)
Thermoplastic polymer, transparent, used in the medical field for highly transparent products. Low resistance to solvents and centrifugation. Used in the chemical-clinical field for sample cups and test tubes.

POLYCARBONATE (PC)
Thermoplastic polymer whose transparency and absence of colour allow a permeability to light of 89% in the visible spectrum. Its transparency, combined with its mechanical properties, makes it the natural substitute for glass, but much more resistant to cold (it resists water below 70°C and nitrogen in the gaseous phase at -196°C). Used for Biobox 81.

MEDICAL GRADE POLYETHYLENE
This polymer is intended to produce medical and medical-related items. It is characterised by a high ESCR (Environmental Stress Cracking Resistance). Products manufactured with this type of raw material can be sterilised with ethylene oxide or with radiation up to 35 kGy without yellowing problems. This raw material has been tested in accordance with: the United States Pharmacopoeia (USP) and has a Drug Master File (DMF) at the FDA.

MEDICAL GRADE POLYPROPYLENE
This polymer is intended to produce medical and medical-related items. It is characterised by easy workability, high transparency and gloss, can be sterilised with radiation up to 25 kGy, without yellowing problems and has excellent chemical resistance. This raw material has been tested in accordance with: the United States Pharmacopoeia (USP) and has a Drug Master File (DMF) at the FDA.

Notes:
All the technical information reported is indicative and does not imply any responsibility on the part of Biosigma. All the information relating to the resistance of plastic materials to high temperatures and sterilisation has been formulated based on the reports of the plastic material manufacturers.

NOTES

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Labinox

Rua do Bairro Social, nº 63/67 – Fração D / 3885-523 ESMORIZ – PORTUGAL

TELF: (+351) 917 888 499 / e-mail: labinox@labinox.pt / Web: www.labinox.pt

Biosigma S.p.A - Dutscher Group
Via Valletta, 6 | 30010, Cona (Venice) Italy
Phone +39 0426 302226 | Fax +39 0426 302228
export@biosigmaeu.com | **www.biosigma.com**