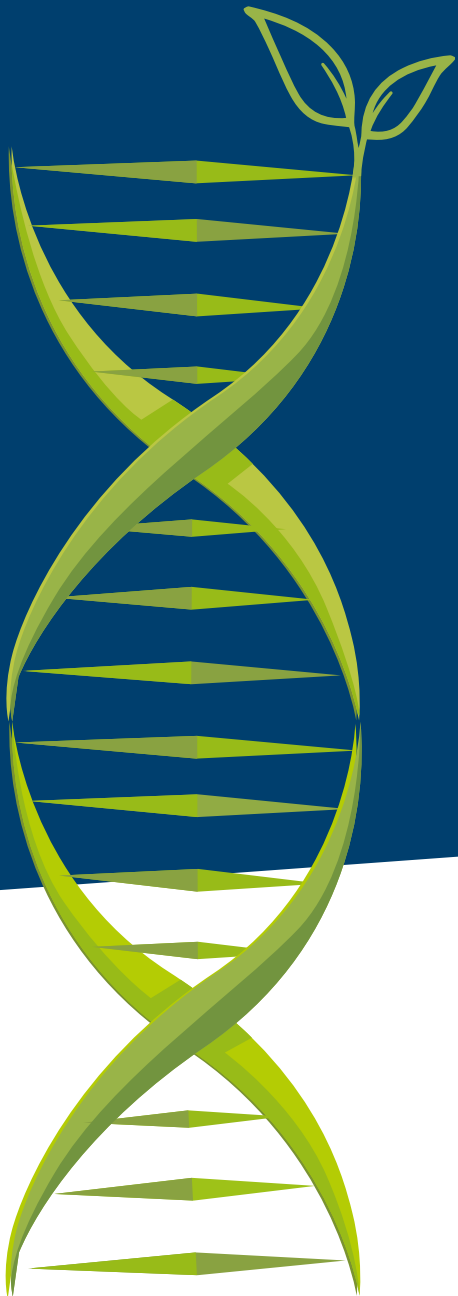


# BIOSIGMA.25

CATALOGUE



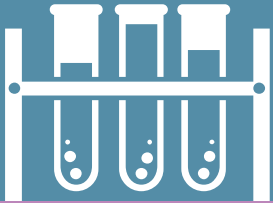
**CLEARLine**<sup>®</sup>  
"Be cool, be safe, be CLEARLine"



# GENERAL INDEX, CHAPTERS AND SECTIONS

General Information..... 2

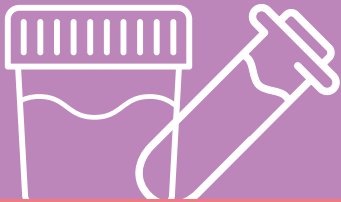
**NEW - BIOBased Sustainable line**..... 8



1.1_Sample Storage .....	16
1.2_Instrumentation Items .....	32
1.3_Liquid Dispensing .....	36
1.4_Cell cultures .....	48
1.5_Test Tubes, Caps and Accessories .....	50
1.6_Urinalysis .....	56
1.7_Microbiology .....	60
1.8_Gynecology and Fertility .....	68
1.9_Containers .....	70
1.10_Histology and Microscopy .....	74
1.11_Hematology .....	80

## LABORATORY CONSUMABLES

# 1



2.1_Urine vacuum sampling system .....	84
2.2_Vacumed® venipuncture system .....	85
2.3_Sampling set .....	86
2.4_Venipuncture set .....	87
2.5_Sampling system .....	88
2.6_Sampling accessories .....	90

## BLOOD COLLECTION SYSTEMS

# 2



3.1_Biological samples .....	94
3.2_Vacurette® biological samples .....	96
3.3_Blood components .....	97
3.4_Accessories .....	98

## SAMPLE TRANSPORT SYSTEM

# 3



Complete line of rapid laboratory tests .....	102
Safety pouches .....	104
Tamper-evident labels .....	104

## RAPID TESTS

# 4



Laboratory instruments .....	108
High quality laboratory glassware .....	111

## INSTRUMENTATION

# 5

Industry 4.0 .....	112
Our web services .....	113
Index by item code.....	114

# 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](http://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<sub>2</sub> 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<sub>2</sub> 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](http://www.biosigma.com)
- 100% LED lighting in our factory

## Other initiatives for the environment





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



**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**



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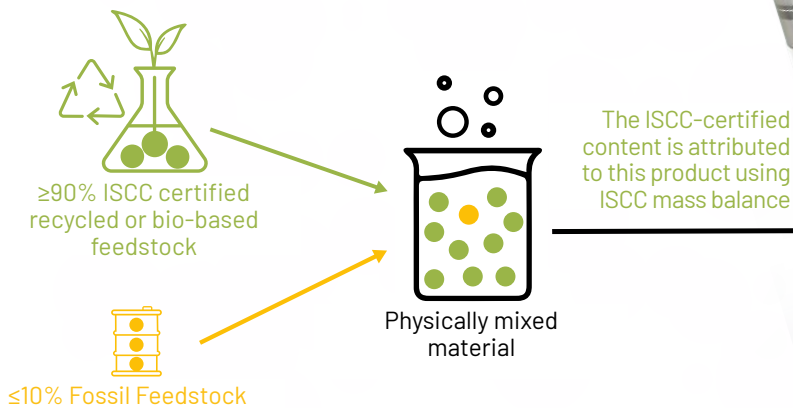
# BIOBased CLEARLine® products

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 environmentally friendly 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.



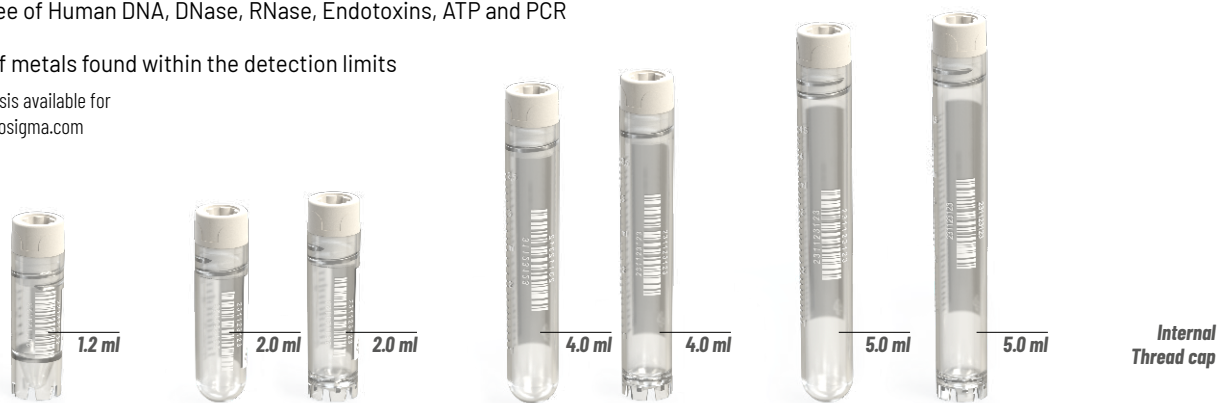
# BIOBased 1D CryoGen® Tubes CLEARLine®

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](http://www.biosigma.com)



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



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 ± 0.34	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<sup>®</sup> Tubes CLEARLine<sup>®</sup>

CLEARLine<sup>®</sup>



- 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](http://www.biosigma.com)



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<sup>®</sup> 0.5, 1.5 and 2 ml

CLEARLine<sup>®</sup>



- 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](http://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

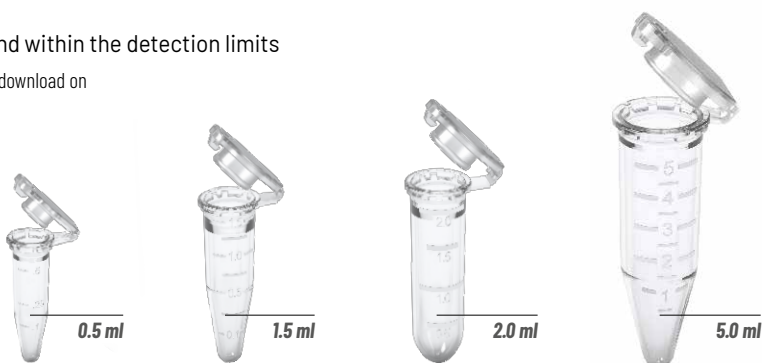
## BIOBased CLEARLock™ microtubes CLEARLine® 0.5, 1.5, 2 and 5 ml

### CLEARLine®

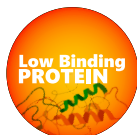


- In Polypropylene Medical Grade, Non-Cytotoxic – Non-Hemolytic
- Zip bags, re-closable
- Optimal transparency
- Graduated with writing area
- Hinged lid prevents any unintentional opening during use and avoid evaporation during long-term storage
- Pierceable writing cap
- Temperature range: -80°C + 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](http://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



**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



**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

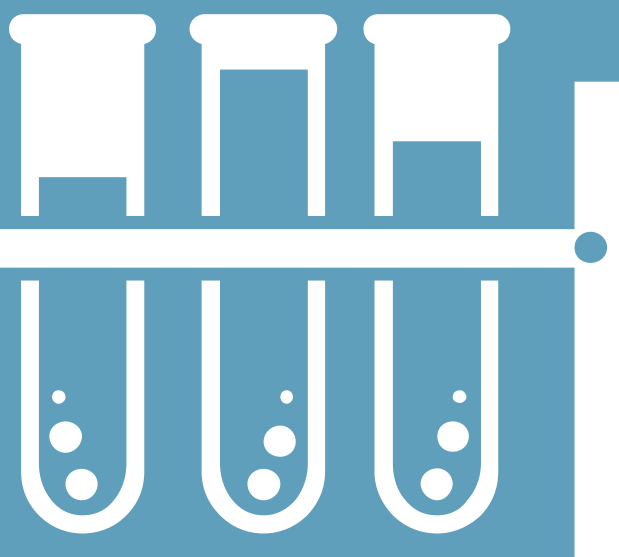
# BIOBased CLEARLine® products

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**





## SECTION TABLE OF CONTENTS



### 1.1. SAMPLE STORAGE

CryoGen® 1D test tubes with linear barcode	17
CryoGen® 1D test tubes with linear barcode	18
CryoGen® Box	19
CryoGen® 2D barcoded test tubes	20
CryoGen® box 2D	21
SBS 48-place rack for 2 and 5 ml CryoGen® Tubes	22
CryoGen® line accessories	23
0.5, 1.5 and 2.0 ml standard microtubes snap cap	25
0.5, 1.5 and 2.0 ml CLEARLine® microtubes snap cap	25
0.5, 1.5, 2.0, 5.0 ml CLEARLock® Microtubes in PP with safety closure	26
0.5, 1.5, 2.0 ml CLEARLine® Low Binding CLEARLock® Microtubes	27
CLEARLine® microtubes with screw cap	28
Cap Disk	29
CLEARLine® Low Binding microtubes with screw cap	29
CLEARLine® microtubes without cap	29
CLEARLine® screw caps for microtubes	29
4-Way Rack	30
Racks for 80 Microtubes	30
MyFuge™ 5 microcentrifuge	30
Rack for 100 Microtubes	30
Acrylic Rack for 5 ml microtubes	30

### 1.2. INSTRUMENTATION ITEMS

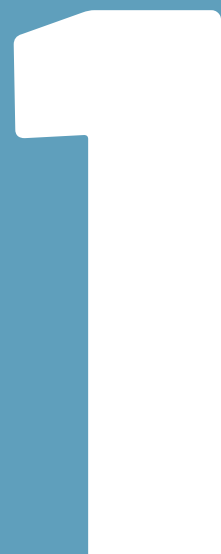
Semi-micro and Macro cuvettes	32
Cuvettes usable on Cobas-Mira®	33
Cuvettes usable on Hitachi®	33
12-cell cuvette usable on Konelab	34
Cuvettes usable on Express®	34
Cuvettes and cups for instrumentation	35
Reducers for test tubes	35

### 1.3. LIQUID DISPENSING

Automatic and manual pipette dispenser	36
Serological pipettes	37
Manual micropipettes	38
25, 50 and 100 ml reservoirs	39
Ripettes and dispenser Tips 3D	39
Non-filter tips	40
Empty racks including a plate for tips	41
Sterile tips with filter in Biosigma CLEARLine® rack	42
CLEARLine® Plus tips with filter and HybridRack	44
Pasteur pipettes	46



# LABORATORY CONSUMABLES



## 1.4\_CELL CULTURES

CLEARLine® treated flasks for cell culture	48
CLEARLine® treated multiwell plates for cell culture	48
CLEARLine® treated plates for cell culture	49
CLEARLine® vacuum filtration units	49
Scrapers for cell culture	49

## 1.5\_TEST TUBES, CAPS AND ACCESSORIES

Test tubes	50
Caps	54
Racks	55
Drosophila	55
Self-adhesive label	55

## 1.6\_URINALYSIS

Fast-Read 102® single-use slide for cell counting	57
KOVA Liqua-Trol®	58
Fast-Read® Kit	59
Stain for microscopy	59
Test tubes	59

## 1.7\_MICROBIOLOGY

Disposable loops	61
CLEARStable Reliable and stable microbial preservation system	62
Swabs	64
pH paper	64
Petri dishes and accessories	65
Sterile cell spreaders	66
Timer	66
Foam swabs with liquid collection-transport medium	67

## 1.8\_GINECOLOGY AND FERTILITY

Testsimplets® Waldeck	68
Semen counts	68
Fertility collector	69
Cytology spray	69
Vaginal speculum	69
Ayre spatulas	69
Brushes for cytological sampling	69
Brushes for endocervical sampling	69

## 1.9\_CONTAINERS

Urine containers	71
Stool collection containers	71
Sputum collection containers	71
24h urine containers	72
Water sampling bottles	72
Sampling accessories	72
Jars with screw cap and undercap	72
Waste containers	73

## 1.10\_HISTOLOGY AND MICROSCOPY

Histology and biopsy cassettes	75
Microscope slides	76
Slide boxes	77
Cyto cuvette	78
Counting chambers	78
Specimen pots	79
Stains	79
Bi-distilled water	79

## 1.11\_HEMATOLOGY

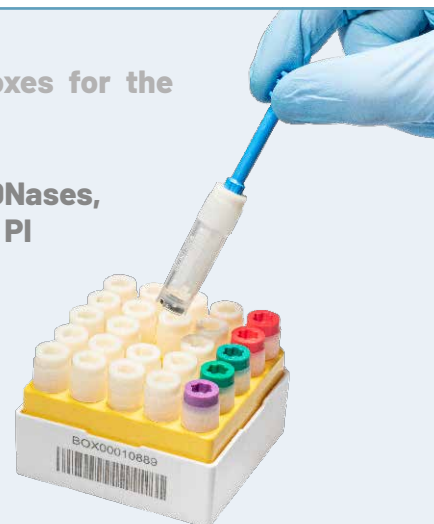
Securdrop	81
DIFF-SAFE® Blood Dispenser	81
Breaklot stick	81
Blood grouping strips	81
Immunology plates	81
Box for 4 blood grouping strips	81
Microplate sealing film	81



## 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.

## 1.1\_ SAMPLE STORAGE



### CryoGen® 1D test tubes with linear barcode

- Certified free from human DNA, DNases, RNases, Endotoxin, ATP and PCR inhibitors\*
- Sterile SAL 10<sup>-6</sup>\*\*
- 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®**



\* Certificate of Analysis downloadable from our website [www.biosigma.com](http://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

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

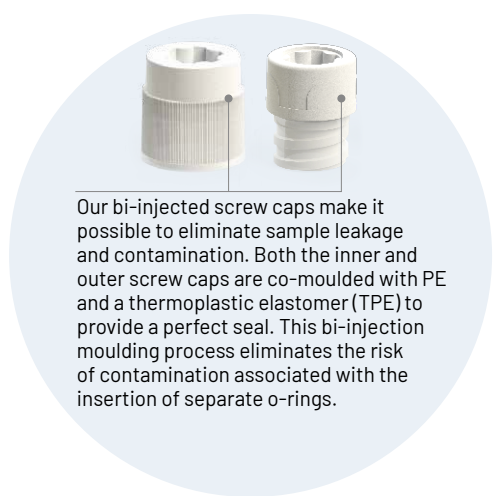
Printed graduations

Large writing area

Excellent chemical resistance

With or without base

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](http://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

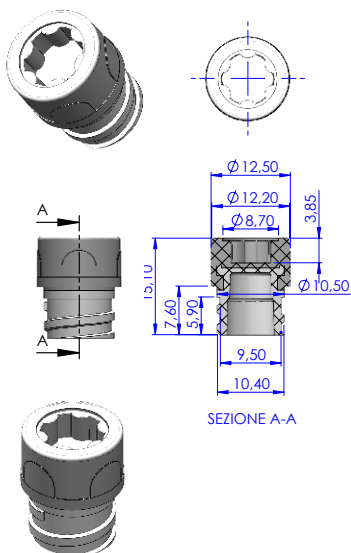
#### CryoGen® test tubes with external cap

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



Code	Vol. (ml)	Height (cm)	Bottom	Units/Bags	Sales units
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

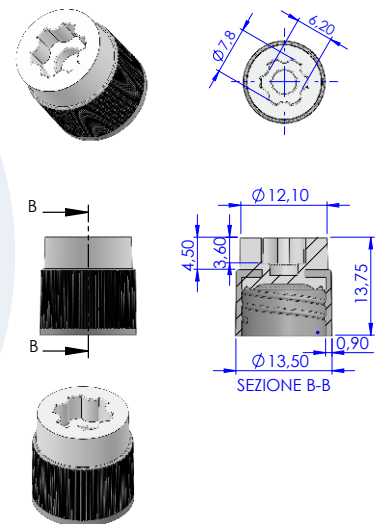
Code	Vol. (ml)	Height (cm)	Bottom	Units/Bags	Sales units
CL1ARBEPSTS	1.2	4.02	With base	50	500
CL2ARBEPSTS	2.0	4.56	With base	50	500
CL2AREPSTS	2.0	4.45	Without base	50	500
CL3ARBEPSTS	3.0	6.92	With base	50	500
CL4ARBEPSTS	4.0	7.36	With base	50	500
CL5ARBEPSTS	5.0	8.76	With base	50	500



**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.



**i** 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

## 1.1\_ SAMPLE STORAGE



### CryoGen® Box

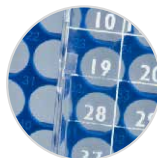
#### Features

- 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



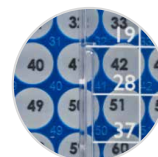
Vial picker included in each sales unit



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
<a href="#">BSM58061B/AZ</a>		Light Blue	132 x 132 x 52	40
<a href="#">BSM58061B/RO</a>		Red		40
<a href="#">BSM58061B/V</a>		Green		40
<a href="#">BSM58061B/G</a>		Yellow		40
<a href="#">BSM58061B1D/AZ</a>	X	Light Blue		40
<a href="#">BSM58061B1D/G</a>	X	Yellow		40
<a href="#">BSM58061B1D/RO</a>	X	Red		40
<a href="#">BSM58061B1D/V</a>	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
<a href="#">BSM58071B/AZ</a>		Light Blue	132 x 132 x 94	32
<a href="#">BSM58071B/G</a>		Yellow		32
<a href="#">BSM58071B/RO</a>		Red		32
<a href="#">BSM58071B/V</a>		Green		32
<a href="#">BSM58071B1D/AZ</a>	X	Light Blue		32
<a href="#">BSM58071B1D/G</a>	X	Yellow		32
<a href="#">BSM58071B1D/RO</a>	X	Red		32
<a href="#">BSM58071B1D/V</a>	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
<a href="#">BSM58025B/AZ</a>		Light Blue	76 x 76 x 52	48
<a href="#">BSM58025B/RO</a>		Red		48
<a href="#">BSM58025B/V</a>		Green		48
<a href="#">BSM58025B/G</a>		Yellow		48
<a href="#">BSM58025B1D/AZ</a>	X	Light Blue		48
<a href="#">BSM58025B1D/RO</a>	X	Red		48
<a href="#">BSM58025B1D/V</a>	X	Green		48
<a href="#">BSM58025B1D/G</a>	X	Yellow		48

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

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



## 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

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

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

Excellent chemical resistance of the cap

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

Printed graduations

Excellent chemical resistance of the test tube

Large writing area

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

Test tube body manufactured from medical grade PP

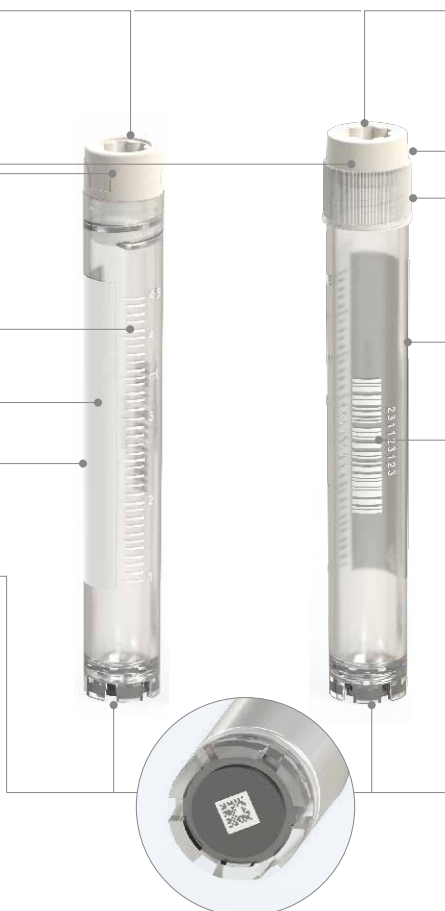
Datamatrix code inserted in the bottom, sequential and corresponding to the "code 128" barcode on the test tube body.

Permanent laser marking system, subjected to rigorous quality controls.

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

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<sup>-6</sup>\*\*
- 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](http://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](http://www.biosigma.com)

#### CryoGen® 2D test tubes with internal cap

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



#### 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



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

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

## 1.1\_ SAMPLE STORAGE



### 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



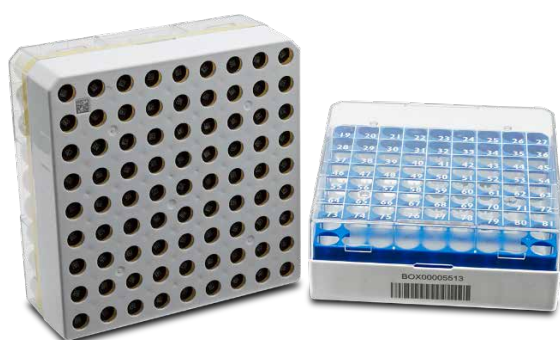
Numbered grid and lid



Frosted writing area



Barcode on the side of the rack



81-place 2D box, low bottom



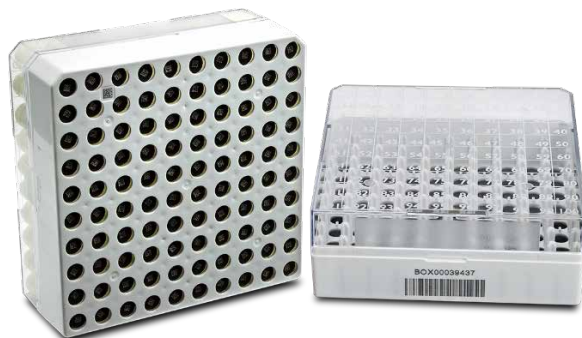
81-place 2D box, high bottom

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

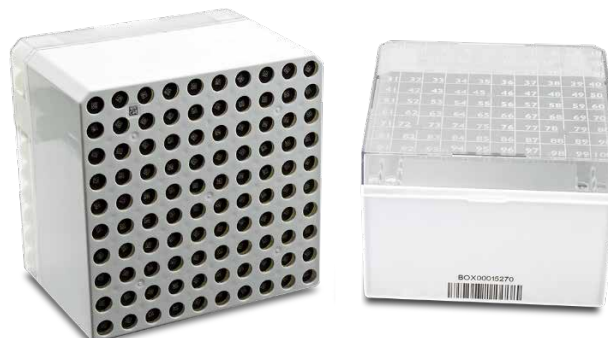
Code	Places	Colour	Dimensions (mm)	Sales units
BSM580612D/AZ	81	Light Blue	132 x 132 x 52	40
BSM580612D/RO	81	Red		
BSM580612D/V	81	Green		
BSM580612D/G	81	Yellow		

### 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, internal 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



## 1.1 SAMPLE STORAGE

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

**CLEARLine®**



Human DNA

DNase RNase

Endotoxin

ATP

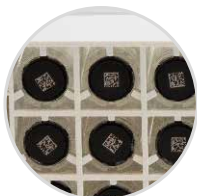
PCR Inhibitors

METALS

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



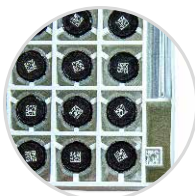
Linear barcode



Easy one-hand opening



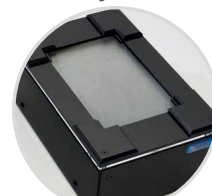
Datamatrix on the bottom of the rack



One-hand screw/unscrew test tubes



Compatible with automatic reading scanners



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

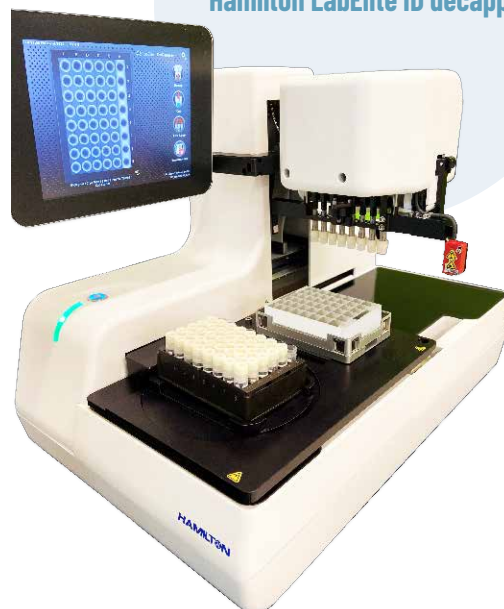
- Certified free from human DNA, DNases, RNases, Endotoxin, ATP and PCR inhibitors\*
- Sterile SAL 10<sup>-6</sup> \*\*
- Compliant with IATA regulation PI 650
- Working temperatures: from generic refrigeration (+4°C) to the gaseous phase of liquid nitrogen
- No traces of metals found within the detection 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](http://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](http://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
<b>BSM58048HI</b>	48-place rack with 5 ml CryoGen® 2D test tubes with base - internal cap	10
<b>BSM58048HE</b>	48-place rack with 5 ml CryoGen® 2D test tubes with base - external cap	10
<b>BSM58048LI *</b>	48-place rack with 2 ml CryoGen® 2D test tubes with base - internal cap	20
<b>BSM58048LE *</b>	48-place rack with 2 ml CryoGen® 2D test tubes with base - external cap	20

### Empty 48-place SBS racks

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





## 1.1 SAMPLE STORAGE

### 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



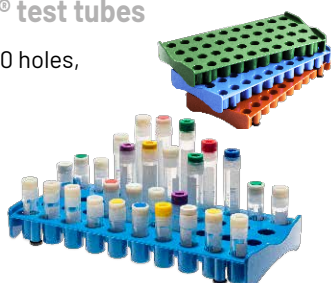
Code	Grid	Sales units
972015	81	1
972016	100	1

#### 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

## 1.1. SAMPLE STORAGE

### 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



## 1.1 SAMPLE STORAGE

### 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



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

- 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

**CLEARLine®**



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





## 1.1. SAMPLE STORAGE

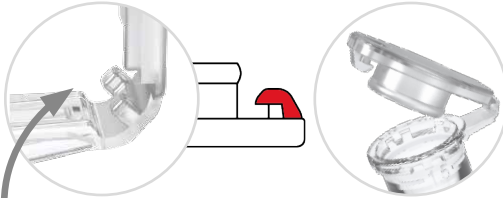
### 0.5 • 1.5 • 2.0 • 5.0 ml CLEARLock® Microtubes in PP with safety closure

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®**



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<sup>-6</sup>)
- 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®

Minimise sample loss!

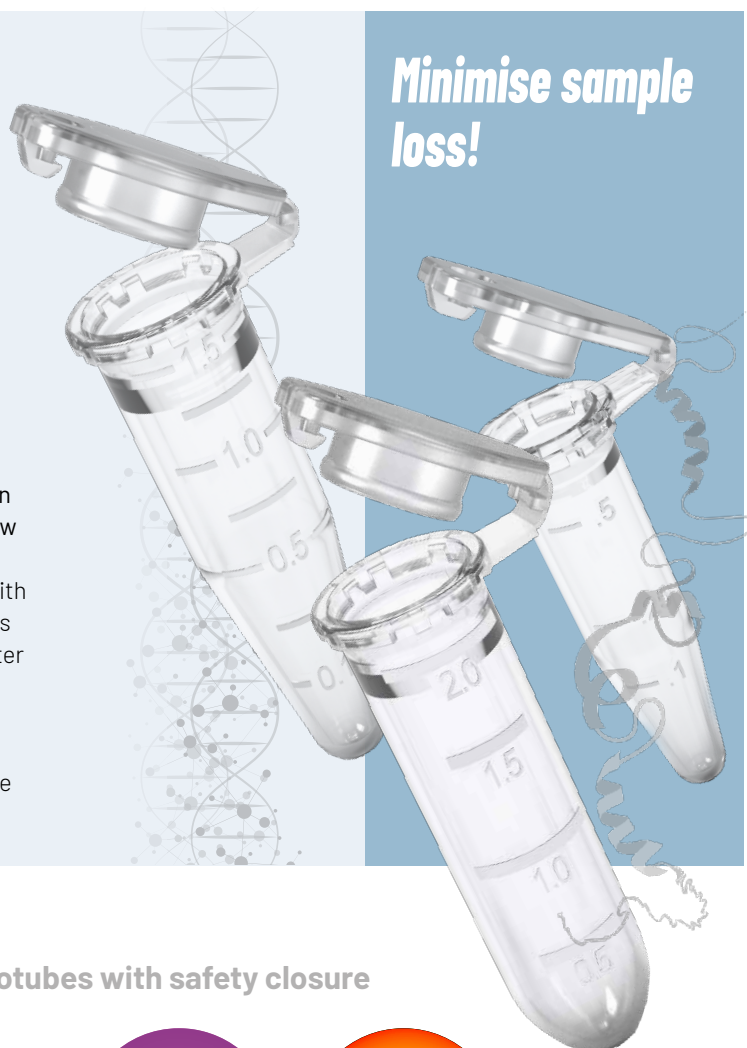
### CLEARLine® Low Binding CLEARLock® Microtubes

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.

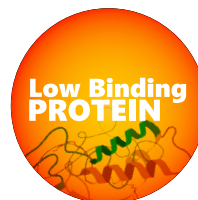


## Low Binding microtubes for centrifuge

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](http://www.biosigma.com)



## 1.1. SAMPLE STORAGE

### 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<sup>-6</sup>
- No traces of metals found within the detection limits

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



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



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

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



## 1.1. SAMPLE STORAGE

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



### Cap Disk



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

- 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



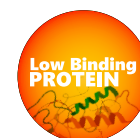
### CLEARLine® Protein Low Binding microtubes with screw cap



- 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



- 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	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

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



### CLEARLine® screw caps for microtubes



- Made of medical grade virgin polyethylene

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

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



## 1.1 SAMPLE STORAGE

### 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
<b>BSM5827/AZ</b>	Light Blue	L 18.5 D 12.0 H 5.50	8
<b>BSM5827/RO</b>	Red	L 18.5 D 12.0 H 5.50	8
<b>BSM5827/V</b>	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
<b>391070</b>	White	110 x 263 x 45	1
<b>391071</b>	Blue	110 x 263 x 45	1
<b>391072</b>	Yellow	110 x 263 x 45	1
<b>391073</b>	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
<b>840515</b>	Neutral	1	<b>840523</b>	Fluorescent yellow	1
<b>840519</b>	Yellow	1	<b>840524</b>	Fluorescent orange	1
<b>840520</b>	Orange	1	<b>840525</b>	Fluorescent pink	1
<b>840518</b>	Red	1	<b>840526</b>	Fluorescent blue	1
<b>840521</b>	Purple	1	<b>840527</b>	Fluorescent green	1
<b>840516</b>	Blue	1			
<b>840530</b>	Green	1			
<b>840522</b>	Black	1			
<b>840528</b>	Assorted	5	<b>840529</b>	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
<b>141397</b>	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
<b>062586</b>	MyFuge 5, microcentrifuge	1
<b>060974</b>	Adapter for 0.5 ml microtubes	6
<b>060975</b>	Adapter for 0.2 ml microtubes	6
<b>062589</b>	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
<b>BSA001</b>	Polystyrene	H 4.40 L 1.25	rack / 100	1000
<b>BSA001M</b>	Methacrylate	H 4.40 L 1.25	rack / 100	1000

#### Semi-micro

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



### Cuvettes usable on Cobas-Mira®



BSA84



BSA85

### Microtubes in PE usable on Cobas®-Mira®

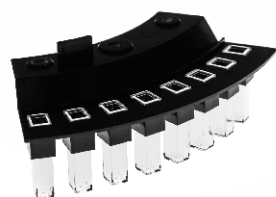
Code	Colour	Units/Bags	Sales units
BSA024	Neutral	500	10000
BSA024/BLU	Blue	1000	12000
BSA024/G	Yellow	1000	12000
BSA024/RA	Pink	1000	12000
BSA024/V	Green	1000	12000

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)



### 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



### 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)



### 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



### Cuvettes usable on Hitachi® 717 in methacrylate

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



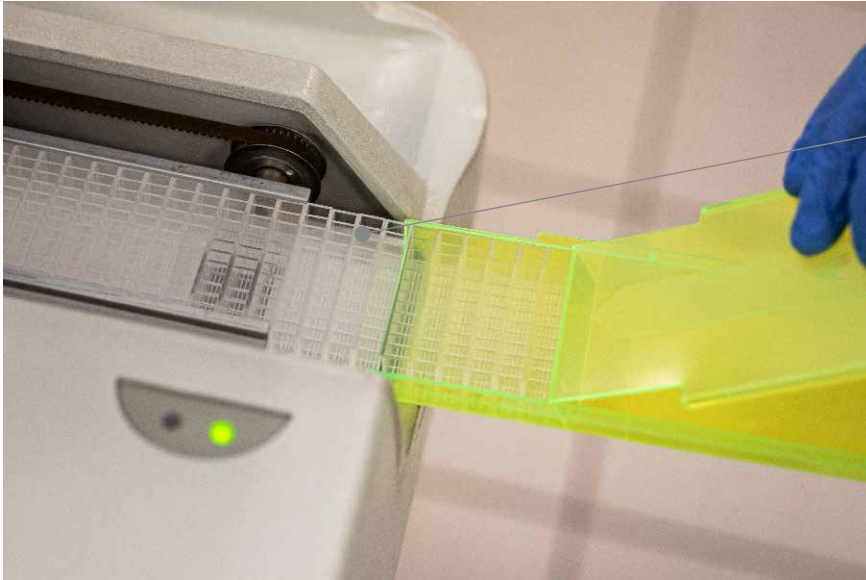
### Paediatric sample cup usable on: Hitachi®, Elecsys®, Cobas Integra® and Core®

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



## 1.2\_ INSTRUMENTATION ITEMS

### 12-cell cuvette usable on Konelab

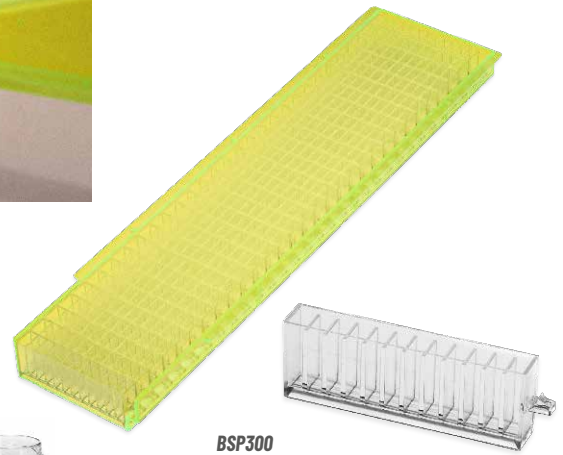


#### 12-cell methacrylate cuvette

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

#### 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



### 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

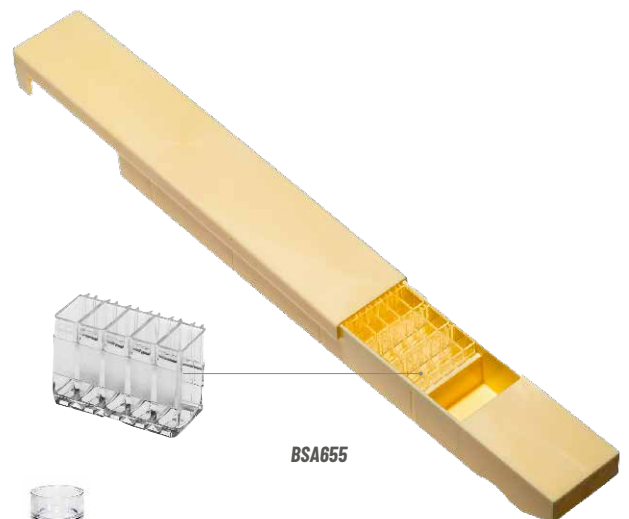
Code	Units/Bags	Sales units
BSA655	13-pieces rack	box / 200 racks

#### 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

#### 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





## 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
<b>BS400200</b>	Levo Plus Pipetting pipette controller	1
<b>BS400201</b>	0.45 µm replacement filter for Levo Plus Pipetting	1
<b>BS400206</b>	Replacement silicone adapter for Levo Plus Pipetting	1
<b>861001</b>	Red manual pipette controller	1
<b>861003</b>	Yellow manual pipette controller	1
<b>ABS028</b>	Three-way rubber bulb	1



## Serological pipettes

- 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<sup>-6</sup>)
- 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

**CLEARLine®**



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	1ml	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	1ml	25	50



### 1.3\_LIQUID DISPENSING

## Manual micropipettes

#### 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



Volume adjustment ring  
(for variable volume micropipettes)

Cap

Anti-slip cover

Ejection button

Body

Display window

Ejection shaft (collar)

Tip insertion cone



#### 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



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



Code	Description	Sales units
861006	HPpette Plus micropipette rack	1

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<sup>-6</sup>
- 4-corner pour spouts
- Graduated on the two internal walls (precision +/-5 %)
- V-shaped bottom for maximum sample recovery



#### 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 Multipipette 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





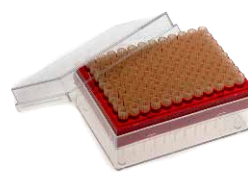
### 1.3\_LIQUID DISPENSING

#### 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

#### Tips type EPPENDORF®

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

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						96-piece rack	1000
	BSR063	X	2-20		Eppendorf® - Gilson® - Socorex® - Htl® - Nichiryo®	X	5-piece blister pack	1000
	BSR0625							
	BSR001		0-200	Yellow	Eppendorf® - Socorex® - Brand®		1000-piece bag	25000
	BSR001R						96-piece rack	1000
	BSR0412	X						
	BSR011		5-100		Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labsystem® - Excalibur® - HTL® - Finnpiptette®	X	5-piece blister pack	3000
	BSR002		100-1000	Blue	Eppendorf® - Gilson® - Brand® - Socorex®		500-piece bag	10000
	BSR002R						96-piece rack	500
	BSR0422	X			Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labsystem® - Excalibur® - Finnpiptette®	X	5-piece blister pack	1000
	BSR012		100-1000		Eppendorf® - Socorex® Acura® - Biohit® - Oxford®			
	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® - Finnpiptette®		1000-piece bag	10000
	BSR064R						96-piece rack	1000
	BSR076	X						
	BSR066		0-200	Yellow	Gilson®		1000-piece bag	25000
	BSR066R							
	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						96-piece rack	1000
	BSR075	X						

#### 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® - Finnpiptette® 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

X = compatible		Single channel micropipettes														8-channel multichannel micropipette							
		Variable volume							Fixed 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	ABS124HHPA 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																						
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							

STANDARD TIPS

### 1.3\_LIQUID DISPENSING

## Sterile tips with filter in Biosigma CLEARLine® rack

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




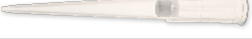
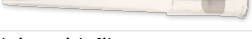
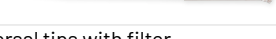
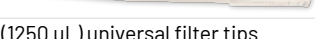

#### Features

- 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




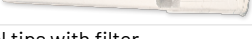




**CLEARLine®** Human DNA Bacterial DNA DNase RNase Endotoxin PCR Inhibitors



#### Standard CLEARLine® tips with filter

Description	Code	Vol. (µl)	Length (mm)	Sterile	Units/Bags	Sales units	Compatibility
10 µl universal tips with filter 	<b>028200CLH</b>	10	31.65	X	10 96-piece racks	960	Compatible with most micropipettes on the market
10 µl long universal tips with filter 	<b>015020CLH</b>	10	45.80	X	10 96-piece racks	960	
20 µl universal tips with filter 	<b>014210CLH</b>	20	50.55	X	10 96-piece racks	960	
100 µl universal tips with filter 	<b>036060CLH</b>	100	50.55	X	10 96-piece racks	960	
200 µl universal tips with filter 	<b>014220CLH</b>	200	50.55	X	10 96-piece racks	960	
300 µl universal tips with filter 	<b>130510CLH</b>	300	59.25	X	10 96-piece racks	960	
1000 µl universal tips with filter 	<b>014200CLH</b>	1000	78.05	X	10 96-piece racks	960	
1000 µL (1250 µL) universal filter tips 	<b>134000CLH</b>	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 	<b>713130H</b>	10	31.65	X	10 96-piece racks	960	Compatible with most micropipettes on the market
10 µl long universal tips with filter 	<b>713114H</b>	10	45.80	X	10 96-piece racks	960	
20 µl universal tips with filter 	<b>713115H</b>	20	50.55	X	10 96-piece racks	960	
100 µl universal tips with filter 	<b>713116H</b>	100	50.55	X	10 96-piece racks	960	
200 µl universal tips with filter 	<b>713117H</b>	200	50.55	X	10 96-piece racks	960	
300 µl universal tips with filter 	<b>713131H</b>	300	59.25	X	10 96-piece racks	960	
1000 µl universal tips with filter 	<b>713118H</b>	1000	78.05	X	10 96-piece racks	960	
1000 µL (1250 µL) universal filter tips 	<b>713119H</b>	1000 (1250)	102.00±0.25	X	10 96-piece racks	960	



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	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				



### 1.3 LIQUID DISPENSING

## 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









LOW RETENTION TIPS WITH FILTER

CLEARLine® Plus racks









Hybridrack racks



### Low retention non-filter tips

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

### Low retention tips with filter

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

### 1.3\_LIQUID DISPENSING



## Pasteur pipettes

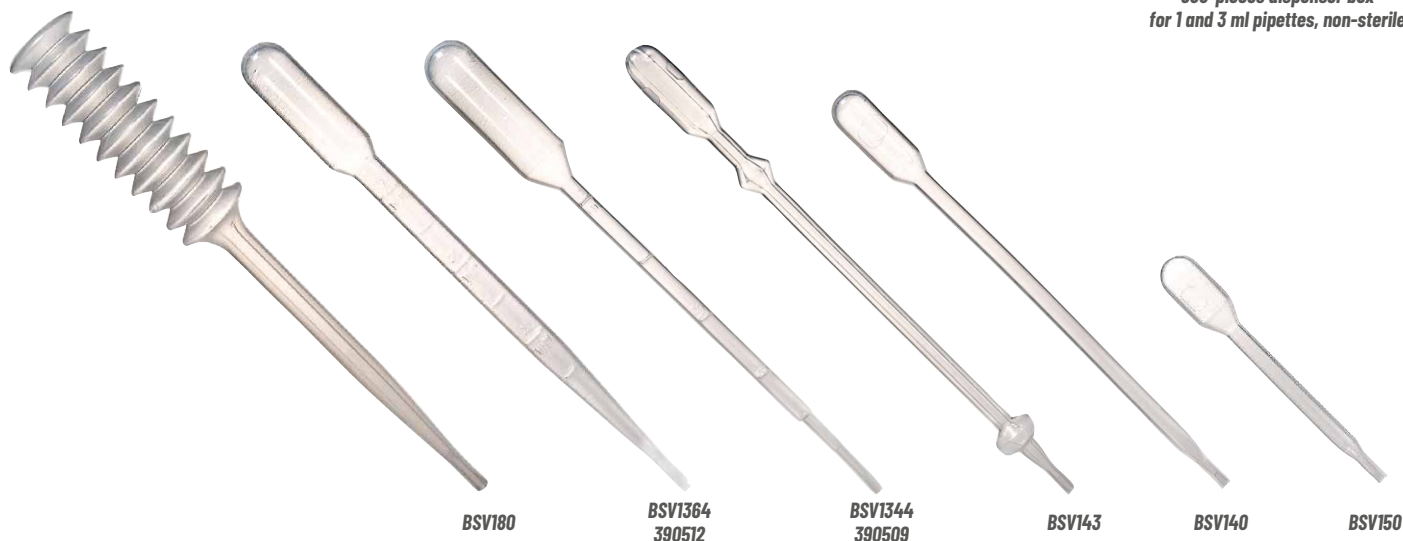
Single-use transfer pipettes, suitable for handling most liquids in the laboratory.

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



### 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

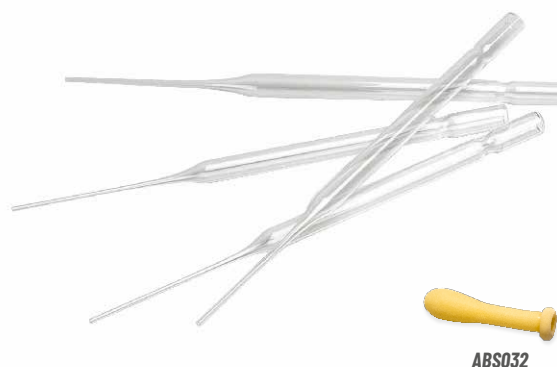


## 1.3 LIQUID DISPENSING



### Glass Pasteur pipettes

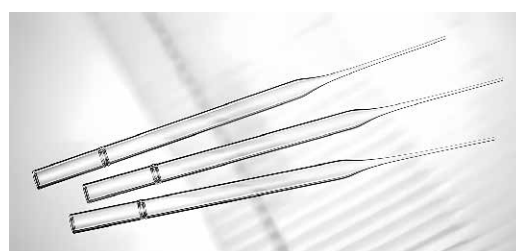
- Glass Pasteur pipettes, elongated shape
- Body dimensions 90 x 7 mm diameter
- Capillary diameter 1 mm
- Total length 150 and 230 mm
- Not graduated



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



## 1.4\_ CELL CULTURE

### 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 cm<sup>2</sup>
- Materials:
  - Flask: PS
  - Cap: HDPE
  - Filter (if applicable): PTFE; pore size 0.2 µm
- DNase and RNase free
- Non-pyrogenic, non-cytotoxic
- Sterile



Code	Cap	Growth area (cm <sup>2</sup> )	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 (cm <sup>2</sup> )	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



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® 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



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
<b>BSM482/B</b>	15	Ø 17 x 120		50	500
<b>BSM482/CS</b>	15	Ø 17 x 120	X	Single	250
<b>BSM474/B</b>	50	Ø 30 x 115		50	500
<b>BSM485</b>	15	Ø 17 x 120	X	Single	500
<b>BSM478</b>	15	Ø 16 x 120	X	150	1050
<b>BSM478/CS</b>	15	Ø 16 x 120	X	Single	700
<b>BSM492</b>	15	Ø 16 x 120			750



### 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
<b>BSM470</b>	10	Ø 16 x 100	Cylindrical	PS			Red	200	1200
<b>BSM470/CS</b>	10	Ø 16 x 100	Cylindrical	PS			Red	Single	750
<b>BSM4702</b>	10	Ø 16 x 100	Cylindrical	PP			White	200	1200
<b>BSM450</b>	10	Ø 16 x 95	With base	PP	X		White	100	2000
<b>BSP361</b>	10	Ø 16 x 100	Cylindrical	PP			White	Single	750
<b>BSM483/K</b>	15	Ø 17 x 120	Conical	PS	X		Light Blue	125	750
<b>BSM4811</b>	15	Ø 16 x 120	Conical	PS			Light Blue (separate)		500
<b>BSM486</b>	20	Ø 16 x 150	Cylindrical	PS			Red	125	625
<b>BSM486/CS</b>	20	Ø 16 x 150	Cylindrical	PS	X		Red	Single	500



### 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
<b>BSM416</b>	5	Ø 12 x 86	Cylindrical	2.5 / 5	X	Yellow	3000
<b>BSM400</b>	10	Ø 16 x 100	Cylindrical	2.5 / 5 / 10		Yellow	1800
<b>BSM402</b>	10	Ø 16 x 100	Cylindrical	2.5 / 5 / 10	X	Red	1250
<b>BSM407</b>	5	Ø 12 x 86	Cylindrical		X	Red	3000
<b>BSM408</b>	10	Ø 16 x 100	Conical	1 / 2.5 / 5 / 10	X	Yellow	2000
<b>BSM410</b>	10	Ø 16 x 100	Conical	1 / 2.5 / 5 / 10	X	Red	800
<b>BSM424</b>	20	Ø 16 x 150	Cylindrical			Red	800



### 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
<b>BSF2054/CS</b>	5	Ø 12 x 75	Single	1000
<b>BSF2054</b>	5	Ø 12 x 75	25	500
<b>BSF2051/CS</b>	14	Ø 17 x 100	Single	1000
<b>BSF2051</b>	14	Ø 17 x 100	25	1000



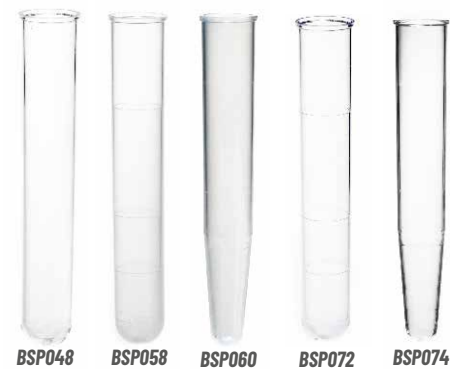


## 1.5\_ TEST TUBES, CAPS AND ACCESSORIES

### 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

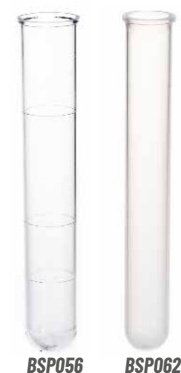
#### 3 ml volume test tubes

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 / 2.5 / 2.5			5000
BSP069	Ø 12 x 51	Flat	Polypropylene	X	1.25 / 2.5 / 2.5		X	7000
BSP082	Ø 12 x 51	Flat	Polystyrene	X	1.25 / 2.5 / 2.5			7000
BSP083	Ø 12 x 51	Flat	Polystyrene	X	1.25 / 2.5 / 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
<b>BSA059V</b>	Ø 12x75	Cylindrical	Polystyrene	Neutral	1000	4000
<b>BSA059V/P</b>	Ø 12x75	Cylindrical	Polypropylene	Neutral	1000	4000
<b>BSA0592</b>	Ø 12x75	Cylindrical	Polystyrene	Blue	1000	4000



**BSA059V**

**BSA059V/P**

#### Rimless 6 ml volume test tubes

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



**BSA0594**

**BSA0594/P**

#### Cylindrical test tube and screw cap

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



**BSM468**

**BSM469**



## 1.5\_ TEST TUBES, CAPS AND ACCESSORIES

### 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

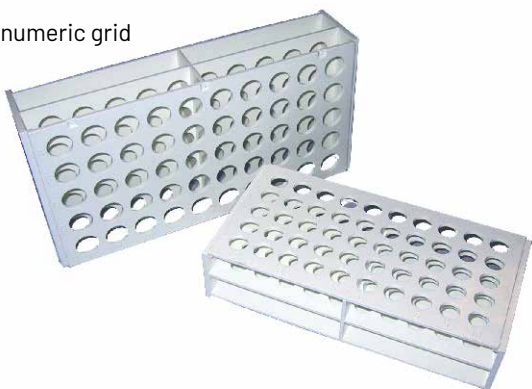




## Racks

### Rack for Ø 13 and 16 mm test tubes

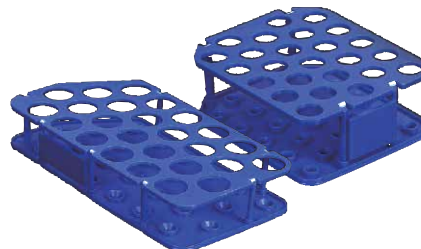
- In ABS
- Not autoclavable
- Stackable
- With alphanumeric grid
- White
- 50 places



Code	Places	Ø (mm)	Dim. (mm)	H (mm)	Colour	Sales units
<b>BSP213</b>	50	13.0	210 x 102	50	White	12
<b>BSP217</b>	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
<b>330130</b>	15 ml conical test tube rack	104.1 x 127.9 x 48.1	1
<b>330133</b>	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
<b>391070</b>	White	110 x 263 x 45	1
<b>391071</b>	Blue	110 x 263 x 45	1
<b>391072</b>	Yellow	110 x 263 x 45	1
<b>391073</b>	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
<b>789001B</b>	Ø 25 x 95	Self-standing	Polystyrene	100	500
<b>789002</b>	Ø 28.5 x 95	Self-standing	Polystyrene	100	500
<b>789008</b>	Ø 25 x 95	Self-standing	Polystyrene		500
<b>789009</b>	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



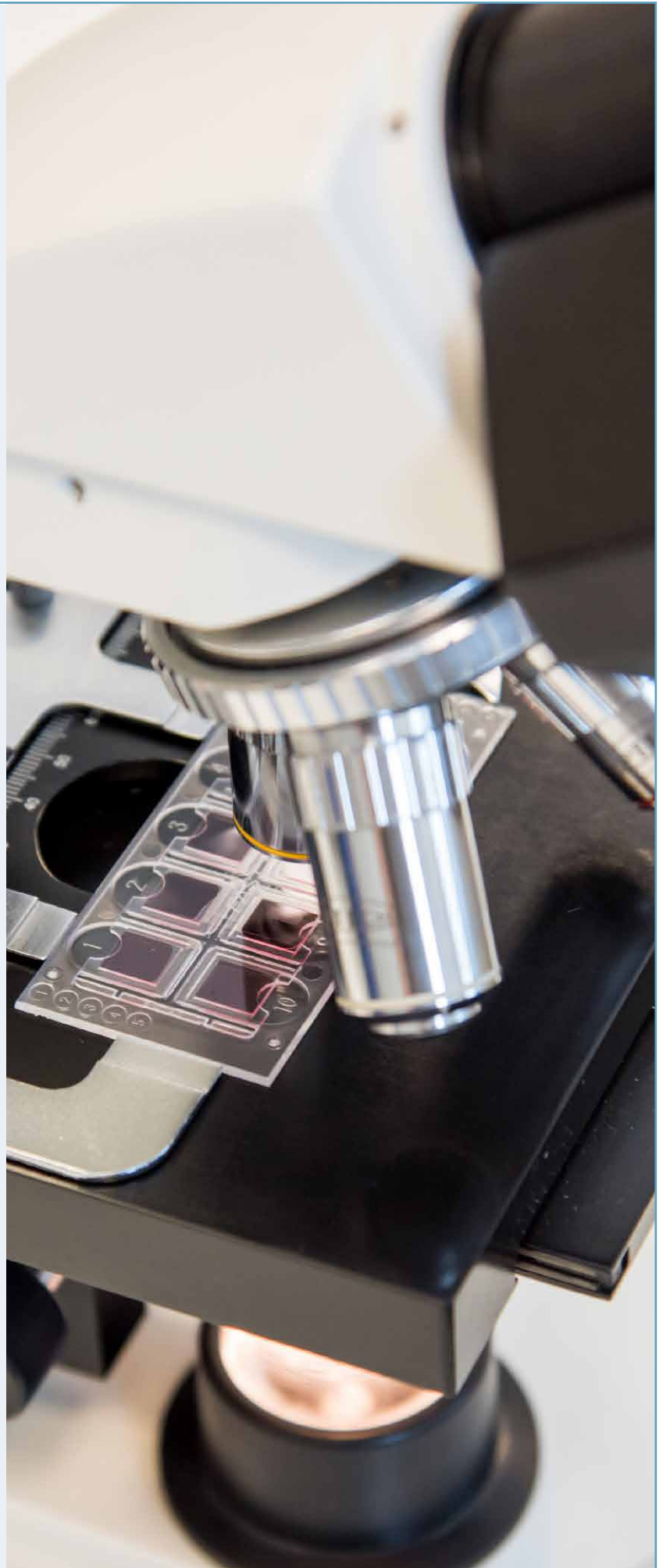
Code	Dimensions (mm)	Material	Sales units
<b>BS0061</b>	25 x 36	Fasson	8500

## 1.6\_ URINALYSIS

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

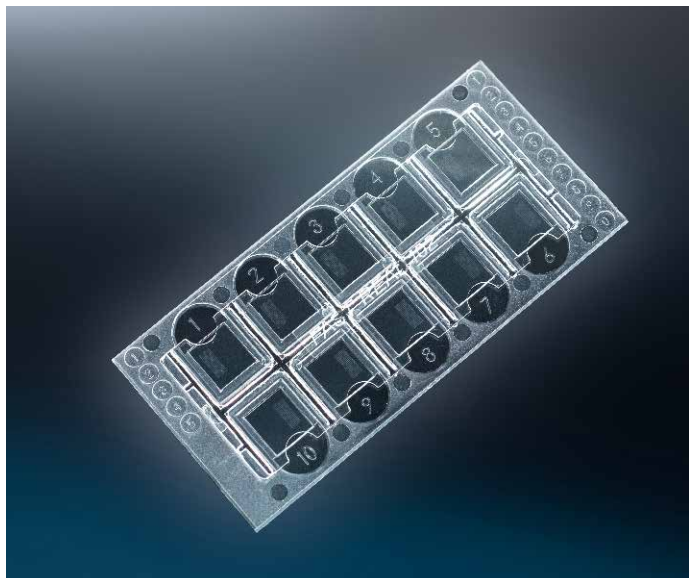
It allows easy identification of the sample using the numbers printed on the sides.

- **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



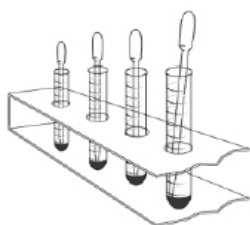
The FAST-READ 102® system improves the standardisation of urine microscopic examination, ensuring precise and reproducible data. This ensures constant readings at all times and independent of technical variations between different operators.

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.

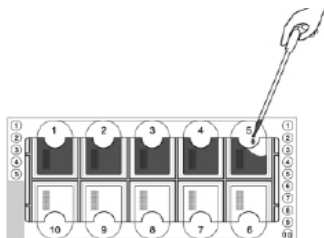
The FAST-READ 102® slide also allows easy classification of samples using the specific numbering shown on the sides.

### Fast-Read 102®

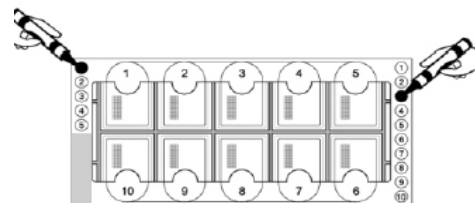
Code	Description	Sales units
BVS100	Single-use slide for cell counting	100



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.

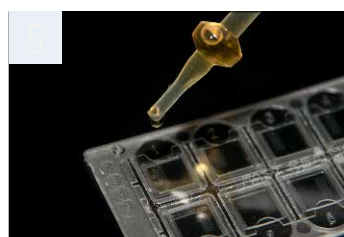
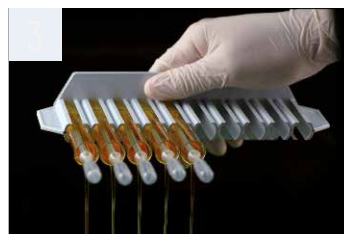
## M-T system

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 system

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



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

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 0.1µl, the formula for determining the cell concentration (cells/ml) is:

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

$10^4$  = conversion from 0.1µl 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.

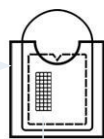
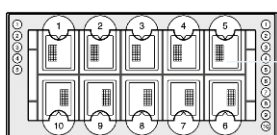
In the example above, we perform the cell count on a 10-fold concentrated sample:

N = 5 (number of squares considered for counting)

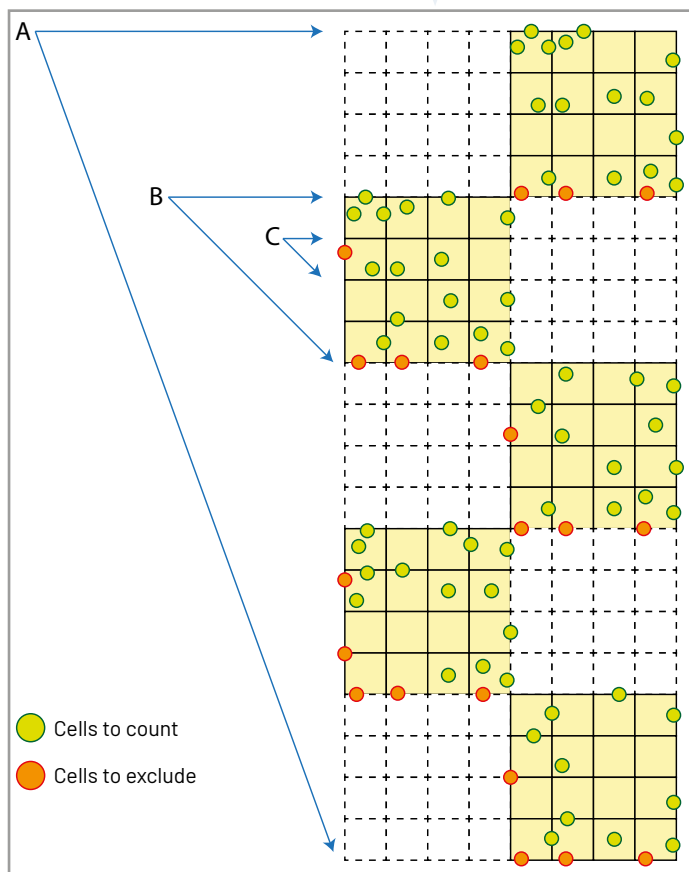
$\sum$  cells counted in the 5 squares = 67

Dilution factor =  $10^{-1}$

$$[\text{Cells/ml}] = (67 / 5) \times 10^{-1} \times 10^4 = 13.4 \times 10^3$$



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<sup>®</sup> 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](http://www.Translational-medicine.com/content/10/1/112)

## KOVA Liqua-Trol<sup>®</sup>

KOVA Liqua-Trol<sup>®</sup> 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)
<b>Code</b>					
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

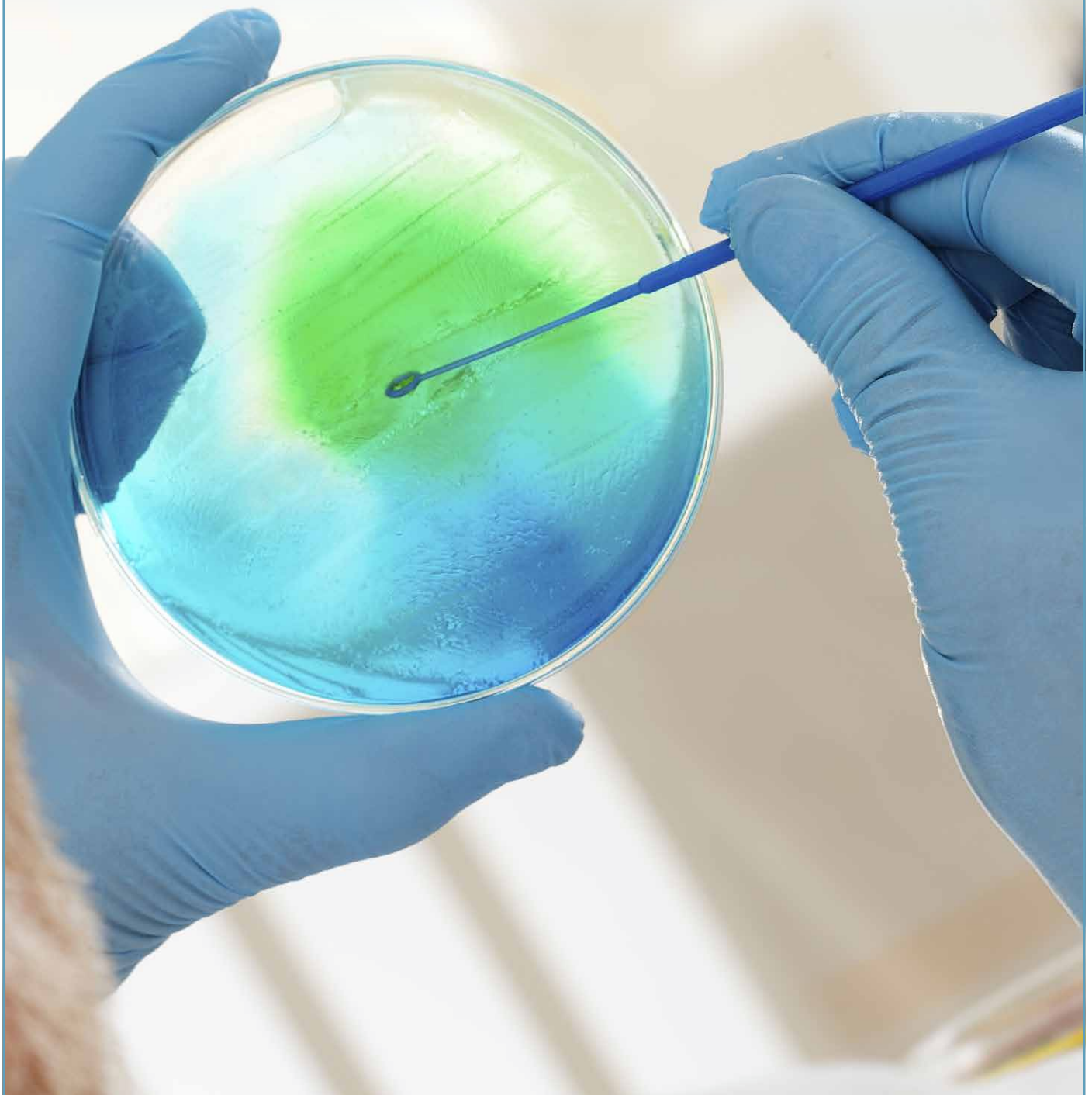




A selection of products for your microbiology laboratory:

- 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.

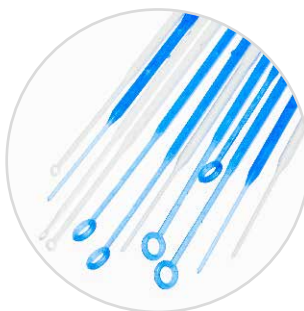
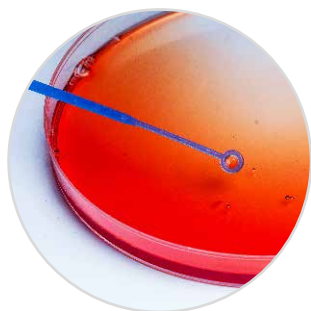




## Disposable loops

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



### 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



Needle



10 µl ring

1 µl



### 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



Needle



1 µl ring



## 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  $-20^{\circ}\text{C}$ ,  $-80^{\circ}\text{C}$ , 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
CL1D80/6	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

## Rack 1D Only

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

## 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 2D Only

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



## 1.7\_ MICROBIOLOGY

### 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



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



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



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



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



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



## Petri dishes and accessories

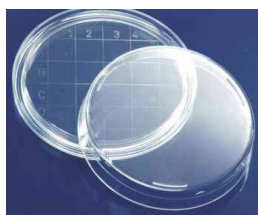
### Petri dishes



- 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

### 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

### 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

### 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

### 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



## 1.7\_ MICROBIOLOGY

### 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

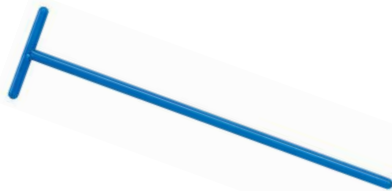
- Single-use sticks
- “L” shape with curved end
- In polystyrene
- Smooth surface
- Individually wrapped or bags of 10
- Sterile



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-transport 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
<b>BSM080</b>	Standard Tip	100 pcs	900 pcs (9x100)
<b>BSM081</b>	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
<b>BSM082</b>	Standard Tip	100 pcs	900 pcs (9x100)
<b>BSM083</b>	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
<b>BSM084</b>	Standard Tip	100 pcs	900 pcs (9x100)
<b>BSM085</b>	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
<b>BSM086</b>	Standard Tip	100 pcs	900 pcs (9x100)
<b>BSM087</b>	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
<b>BSM088</b>	Standard Tip	100 pcs	600 pcs (6x100)
<b>BSM089</b>	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
<b>BSM090</b>	1	Standard Tip	100 pcs	600 pcs (6x100)
<b>BSM091</b>	1	Fine Tip	100 pcs	600 pcs (6x100)
<b>BSM092</b>	3	Standard Tip	100 pcs	600 pcs (6x100)
<b>BSM093</b>	3	Fine Tip	100 pcs	600 pcs (6x100)



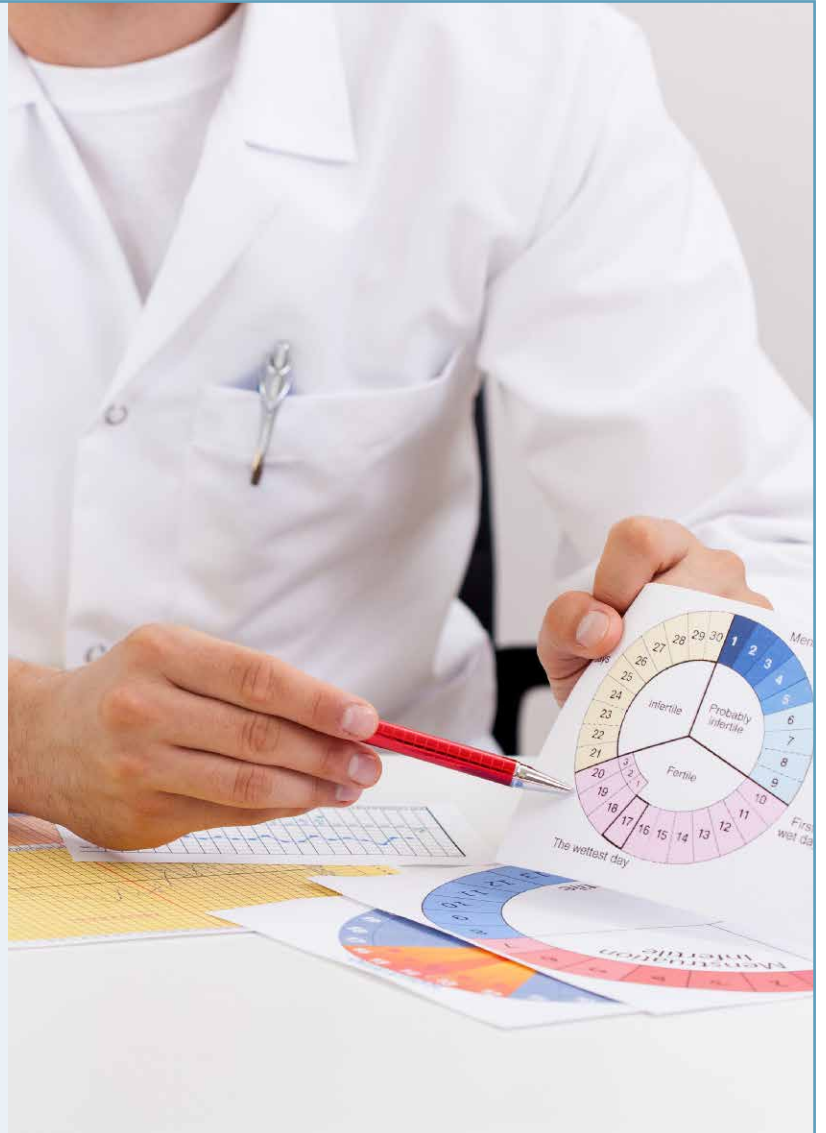
## 1.8\_ GINECOLOGY AND FERTILITY

### Gynecology 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
<b>BSC740</b>	Container for collecting semen	40

### Cytology spray

- Kito-Fix cytology spray
- 100 ml bottle



Code	Description	Sales units
<b>BSI109</b>	Kito-Fix cytology spray	1

### 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
<b>BSM022</b>	Brush for endocervical sampling	100

### 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
<b>BSM240</b>	Small	Single	200
<b>BSM241</b>	Medium	Single	200
<b>BSM242</b>	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
<b>BSM018</b>	Polystyrene	180	X	Single	100
<b>BSM016</b>	Wood	180	X	Single	5000

### 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
<b>BSM009</b>	X	Single	1000
<b>BSM008</b>			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.







### 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



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



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



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

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

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



Needle removal notches



Temporary closure



Permanent closure



#### 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

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



Needle removal notches and anti-flow flaps



Temporary closure



Permanent closure



#### 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

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



Easy opening



Needle and insulin pen removal notches



Wide opening





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.

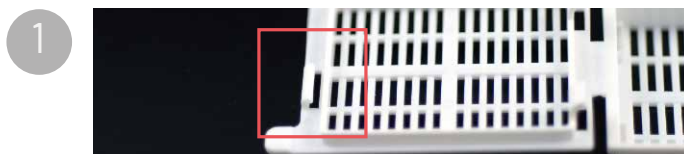


### Histology and biopsy cassettes

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

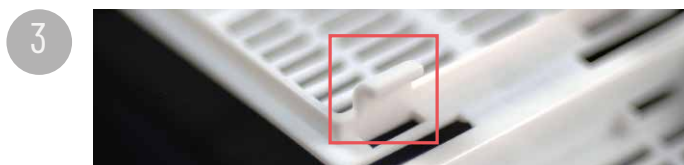
It eliminates the inconvenience of accidentally opening the cassette during processing with consequent loss of the sample and at the same time allows easy opening of the cassette.



**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
<b>BSI102</b>	White	500	2000
<b>BSI1022</b>	Yellow	500	2000
<b>BSI1024</b>	Pink	500	2000
<b>BSI1026</b>	Green	500	2000
<b>BSI1027</b>	Orange	500	2000
<b>BSI1028</b>	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
<b>BSI103</b>	White	500	2000
<b>BSI1032</b>	Yellow	500	2000
<b>BSI1034</b>	Pink	500	2000
<b>BSI1036</b>	Green	500	2000
<b>BSI1037</b>	Orange	500	2000
<b>BSI1038</b>	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
<b>040669</b>	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
<b>BSI105</b>	Blue	500	5000

## Cassette without lid

Embedding cassette without lid compatible with metal lids



Code	Colour	Units/Bags	Sales units
<b>BSI104</b>	White	500	2000

## Steel lid

Steel lid for embedding cassettes

- Made of stainless steel
- 28 x 40 mm



Code	Units/Bags	Sales units
<b>BSI220</b>	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
<b>040728</b>	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  $\pm 1$  mm
- With or without separating paper between the slides



### Cover slips

- Thickness:  $0.13 \pm 0.17$  mm
- Clear glass



### CLEARLine® microscope slides

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



### CLEARLine® cover slips

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



### 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

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

### CLEARLine® microscope slides

**CLEARLine®**

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

**CLEARLine®**

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

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

## 1.10\_ HISTOLOGY AND MICROSCOPY



### 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



### 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	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

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



### Post slide holder

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



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

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

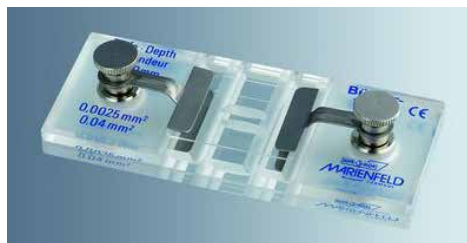
Dark line

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-Rosenthal, Lemaur, Agasse Lafont	22 x 22	0.4	10
140599	Nageotte	22 x 30	0.4	100

### Cyto Cuvette

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

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



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





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**



## 1.11\_ HEMATOLOGY



### Securdrop

For piercing blood bag segment.

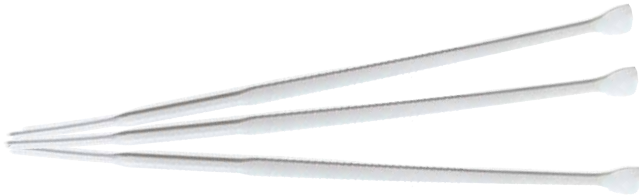
- Allows cells to pass easily
- Ribbed edges allow easy handling with gloves
- Fits 10 and 12 ml tube sizes
- Wide mouth fits most segments
- FDA approved
- Single-use



Code	Description	Sales units
<b>BSA039TX</b>	Bag segment piercing device	1000

### Breaklot stick

- Shock-proof polystyrene
- Non-sterile



Code	Colour	Units/Bags	Sales units
<b>BSA066</b>	White	1000	3000

### Immunology plates

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



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

### 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
<b>BSS700</b>	Intended for microbiological testing	1000

### Blood grouping strips

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

- Stackable for space saving
- In polystyrene



Code	Dimensions (mm)	Places	Sales units
<b>BSA037</b>	173 x 44.5 x 6	10	250

### Box for 4 blood grouping strips

- In crystal polystyrene
- Box for 4 plates



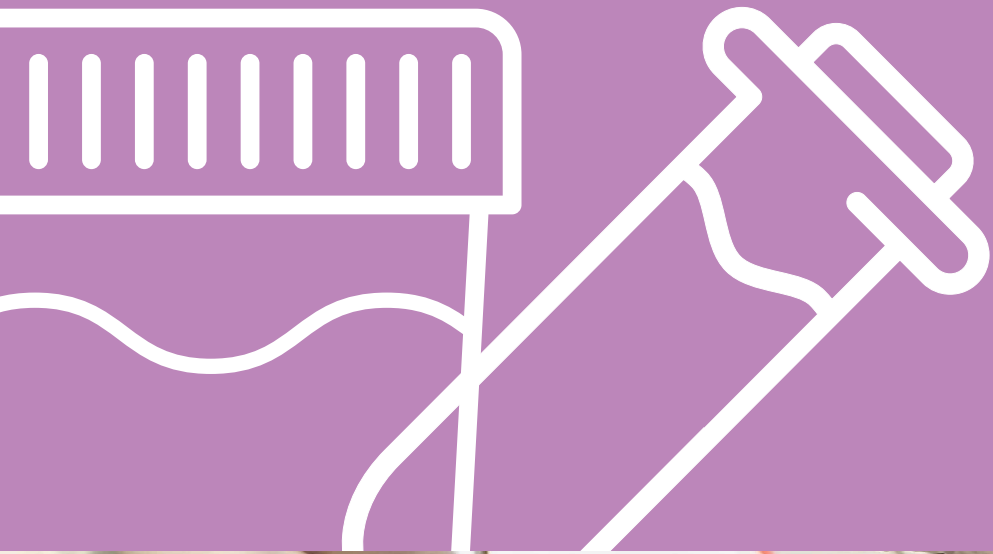
Code	Description	Sales units
<b>BSA0361</b>	Cassette for 4 BSA037	20

### 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
<b>106570</b>	131 x 81.3	Aluminium	100



# BLOOD COLLECTION SYSTEMS

# 2

## SECTION TABLE OF CONTENTS

### 2.1\_URINE VACUUM SAMPLING SYSTEM

Urine vacuum containers	84
Vacutainer urine tubes	84
3000 ml containers with sampling probe	84
Urine vacuum sampling probes	84

### 2.2\_VACUMED® VENIPUNCTURE SYSTEM

Vacumed® venipuncture system	85
------------------------------	----

### 2.3\_SAMPLING SET

Butterfly needles	86
-------------------	----

### 2.4\_VENIPUNCTURE SET

Syringes and needles	87
----------------------	----

### 2.5\_SAMPLING SYSTEM

Test tubes with granules separator and coagulation accelerator	88
ESR system	89

### 2.6\_SAMPLING ACCESSORIES

Disposable gloves	90
Parafilm	90
Bibula paper	90
Paper roll	90
Plaster roll	90
Tourniquet	90
Simply gel	91
Lysonox® H2O2 ULTRA	91
Lysonox® SURFACES	91
Aniosafe high frequency gentle soap	91

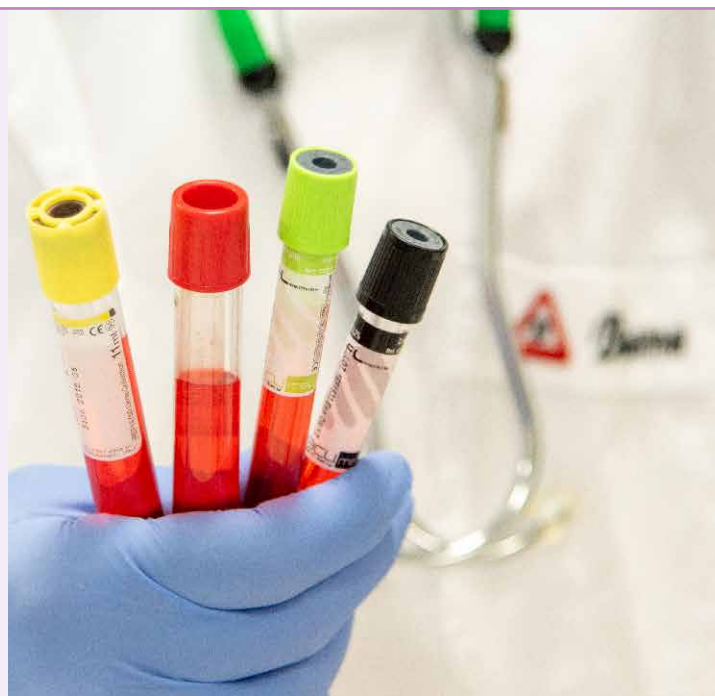
## 2.1 URINE VACUUM SAMPLING SYSTEM



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		Lavender	100
BV002R	3	13 x 75			100
BV003R	4	13 x 75	K2 EDTA		100
BV004R	6	13 x 100			100
BV080R	9	16 x 100		Purple	100
BV005R	2	13 x 75			100
BV006R	3	13 x 75			100
BV007R	4	13 x 75	K3 EDTA		100
BV008R	6	13 x 100		Pearl	100
BV081R	9	16 x 100			100
BV087R	3	13 x 75	with Gel Separator + K2 EDTA		100
BV088R	5	13 x 100			100
BV089R	8	16 x 100		Grey	100
BV009R	2	13 x 75			100
BV010R	3	13 x 75	Potassium Fluoride + K3 EDTA		100
BV011R	4	13 x 75			100
BV012R	6	13 x 100		Dark Green	100
BV086R	9	16 x 100			100
BV013R	2	13 x 75			100
BV014R	3	13 x 75			100
BV015R	4	13 x 75	Lithium Heparin	Light Green	100
BV016R	6	13 x 100			100
BV082R	9	16 x 100			100
BV017R	2	13 x 75			100
BV018R	3	13 x 75		Light Blue	100
BV019R	4	13 x 75	Sodium Heparin		100
BV020R	6	13 x 100			100
BV083R	9	16 x 100			100
BV021R	1.8	13 x 75		Light Blue	100
BV022R	2.7	13 x 75	3.2% Sodium Citrate for coagulation		100
BV023R	3.6	13 x 75			100
BV024R	1.8	13 x 75		Light Blue	100
BV025R	2.7	13 x 75	3.8% Sodium Citrate for coagulation		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		Black	100
BV028R	1.8	13 x 75	3.2% Sodium Citrate for ESR		100
BV029R	2.4	13 x 75			100
BV030R	3	13 x 75		Red	100
BV031R	4	13 x 75	Coagulation Activator		100
BV032R	6	13 x 100			100
BV033R	9	16 x 100		Red	100
BV034R	3.5	13 x 75	Gel Separator + Coagulation Activator		100
BV035R	5	13 x 100			100
BV036R	8	16 x 100		Golden Yellow	100
BV037R	3.5	13 x 75	Gel Separator + Coagulation Activator		100
BV038R	5	13 x 100			100
BV039R	8	16 x 100		Electric Blue	100
BV040R	3.5	13 x 75	Gel Separator + Coagulation Activator		100
BV041R	5	13 x 100			100
BV042R	8	16 x 100		Brown	100
BV043R	3.5	13 x 75	Granules Separator + Coagulation Activator		100
BV044R	5	13 x 100			100
BV084R	8	16 x 100		Turquoise	100
BV045R	3	13 x 75	Gel Separator + Lithium Heparin		100
BV046R	5	13 x 100			100
BV085R	8	16 x 100		White	100
BV047R	2	13 x 75			100
BV048R	3	13 x 75			100
BV049R	4	13 x 75	Without additives	White	100
BV050R	6	13 x 100			100
BV051R	9	16 x 100			100
BV052R	2	13 x 75		Red	100
BV053R	3	13 x 75			100
BV054R	4	13 x 75	Without additives		100
BV055R	6	13 x 100		Red	100
BV056R	9	16 x 100			100

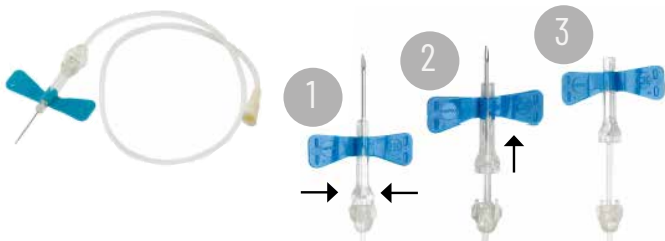


## 2.3\_SAMPLING SET

### 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

#### 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 3/4"	300	Green	50
BSS251	23G x 3/4"	300	Black	50
BSS252	25G x 3/4"	300	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

#### 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 3/4"	190	Green	50
BV068R	22G x 3/4"	190	Black	50
BV069R	23G x 3/4"	190	Light Blue	50

#### Standard butterfly needles with Luer adapter

- With Luer adapter
- Sterile
- Vacumed®



Code	Description	Tube (mm)	Colour	Sales units
BV064R	21G x 3/4"	190	Green	50
BV065R	22G x 3/4"	190	Black	50
BV066R	23G x 3/4"	190	Light Blue	50

#### 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 1/2"		100
BV072R	Vacumed® multiple needle 21G x 1"	Green	100
BV073R	Vacumed® multiple needle 21G x 1 1/2"		100
BV074R	Vacumed® multiple needle 22G x 1"	Black	100
BV075R	Vacumed® multiple needle 22G x 1 1/2"		100





## 2.4\_VENIPUNCTURE SET

### 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 1-1/4" 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 1-1/2" green	100
BSS137	10 (g: 0.2-11/12)	Central	-	100
BSS141	10 (g: 0.2-11/12)	Central	21G 1-1/2" 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



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



### Test tubes with sodium citrate

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



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

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

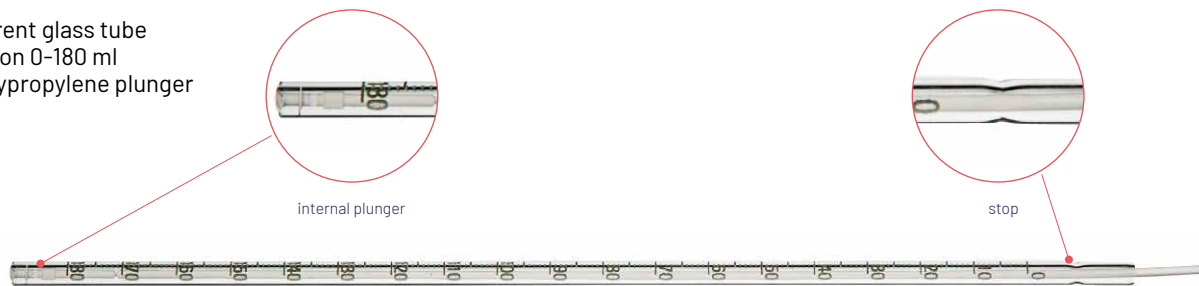


## ESR system

### 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

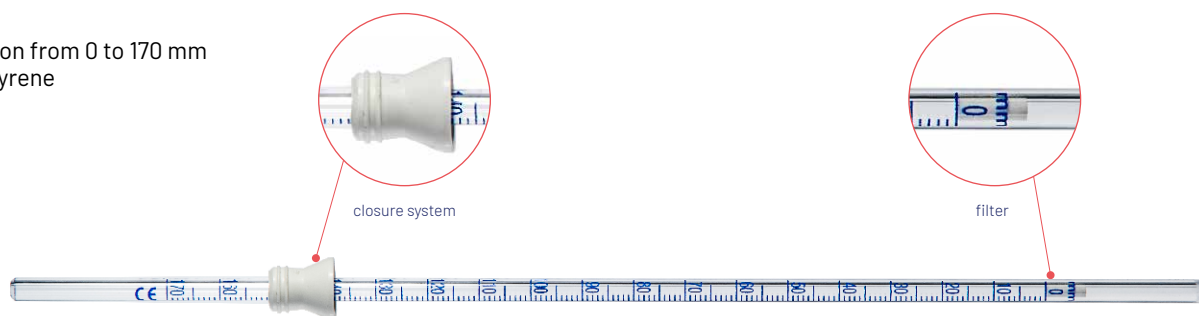


Code	Description	Dimensions (mm)	Graduation (mm)	Scale distance (mm)	Internal packaging	Sales units
BSV012	ESR glass pipette, graduated with polyethylene plunger	L 210, Ø 4.45	0 - 180	10	500	2000

### 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



#### 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

#### 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

#### 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 antiseptics 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.



### 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
BS0506	Lysonox h202	1l	12

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	1l bottles with screwed-in dispenser	4



# SAMPLE TRANSPORT SYSTEM

# 3

## SECTION TABLE OF CONTENTS

### 3.1\_BIOLOGICAL SAMPLES

CPT tertiary containers	95
CPT secondary containers	95
Accessories for CPT containers	95

### 3.2\_BIOLOGICAL SAMPLES FOR VACUETTE®

Vacurette® tertiary containers	96
Vacurette® secondary containers	96
Vacurette® accessories	96
Cooling Elements	96

### 3.3\_BLOOD COMPONENTS

Tertiary containers for blood components	97
Secondary containers for blood components	97
Safety bags approved for the transport of blood components	97

### 3.4\_ACCESSORIES

Bags for samples transport	98
Cooling Elements	98



### 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



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 antiplastic 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



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



### 3.2\_BIOLOGICAL SAMPLES VACUETTE

## Vacuette® tertiary containers

### Bags for samples transport



- 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



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.



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 x 410	70	500
BS4003	300 x 450	70	500
BS4004	540 x 520	90	200



## 3.4\_ACCESSORIES

### 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

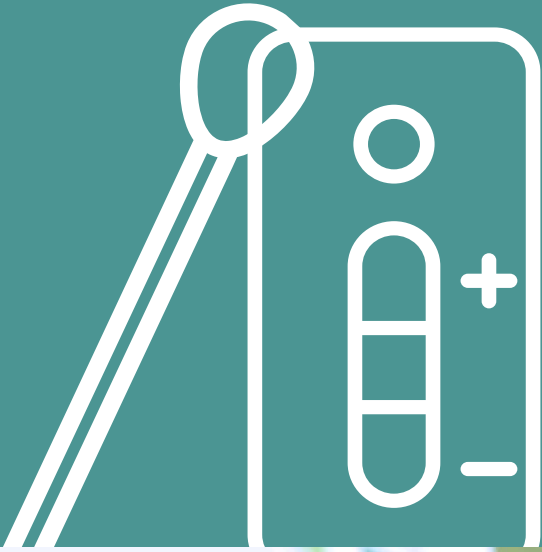
#### Thermal container for 1 test tube

Cooling element for test tubes



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





# RAPID TESTS



## SECTION TABLE OF CONTENTS

**A complete line of rapid laboratory tests.**

**These products are designed to provide accurate and reliable results in minutes, with easy-to-use devices.**

Women's health	102
Occult blood	102
Other	102
Infectious Diseases	102
Drugs of abuse	103
Rapid Tests	104
Enrichment system	104
Urinalysis strips	104
Adulteration strips	104
Safety pouches	104
Tamper-evident labels	104



## 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	Waeler 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 Methylene-dioxymethamphetamine	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	THC	Marijuana	50	MET	Methamphetamine	500	BZO	Benzodiazepines	300	MDMA	Methylene-dioxymethamphetamine	500	MTD	Methadone	300	MOP	Morphine/Heroin	300	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	1000	MET	Methamphetamine	1000	OPI	Opium	2000	PCP	Phencyclidine	25	BZO	Benzodiazepines	300	TCA	Tricyclic antidepressants	1000	BAR	Barbiturates	300	BAR	Barbiturates	300	MDMA	Methylene-dioxymethamphetamine	500	MDMA	Methylene-dioxymethamphetamine	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	MDMA	Methylene-dioxymethamphetamine	500	COC	Cocaine	300	AMP	Amphetamine	500	MET	Methamphetamine	500	THC	Marijuana	50	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

## 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	

## 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

### 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

### 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)

### Tamper-evident labels

Tamper-evident labels designed for the dual signature of the patient and operator.

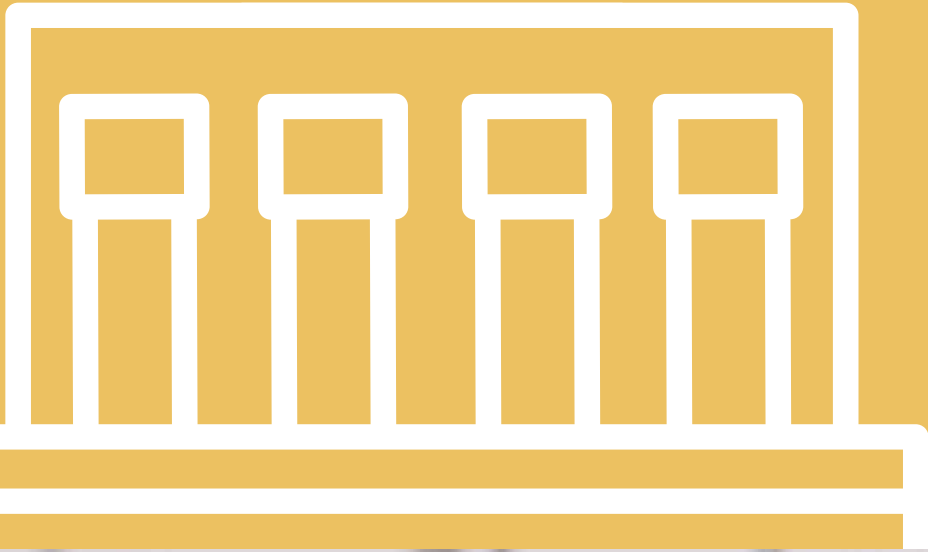
Suitable for application on smooth or satin surfaces in plastic, metal, glass, paper/cardboard.

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
BS0071	Silver	23 x 160	1000 (250 4-label sheets)





# INSTRUMENTATION

# 5

## SECTION TABLE OF CONTENTS

**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](http://www.biosigma.com)**

Orbital stirrers	108
Programmable rotary stirrers	108
Rotary stirrer	109
Mini magnetic stirrer	109
Miniaturised vortex mixer	109
Lab Basics microcentrifuge	110
ClearLine® microcentrifuge	110
DNA and PCR workstations	110
Borosilicate glass bottles	111
Borosilicate glass beakers	111
Narrow neck flasks	111
Tall shape cylinders	111



## 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 x 15
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 150 ml test tube	2 racks for 6 1.5 ml test tubes 2 racks for 1 15 ml test tube 2 racks for 150 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

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



## Mini magnetic stirrer



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

## Miniaturised vortex mixer

- Miniature model
- Pressure activation



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



## Lab Basics microcentrifuge

- Ideal for concentrating drops at the bottom of the test tube
- Compact
- Silent ( $\leq 45$  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	<b>258253</b>
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	<b>062586CL</b>
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	<b>490005</b>	<b>490005B</b>	<b>712247</b>
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/cm <sup>2</sup> /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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## VIDEO

Here you will find all the videos of the products in our catalogues, sorted by chapter.

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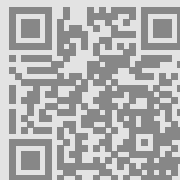
Guides in PDF format, sorted by chapter, are available for many products. They can be consulted by typing the product code in the search bar on the home page.

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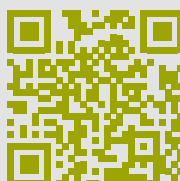
Our catalogues and promotions are available online.



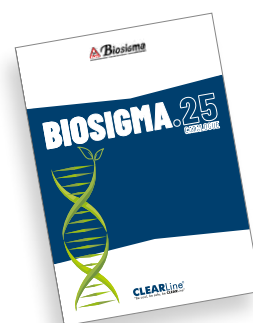
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# INDEX BY ITEM CODE

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
010153	49	070507	39	258358	44	713264	44	060954CL	108	ABS136HPA	38
010179	23	070539	39	258358	45	713264	45	060956CL	108	ABS273	90
010181	23	071385	39	258359	44	713265	44	060976CL	108	AN1918229	91
010185	23	071386	39	258359	45	713265	45	062586CL	110	BES12424	90
010186	23	085495	65	258360	44	713266	44	062599CL	109	BES13000	90
028123	23	085496	65	258360	45	713266	45	062646CL	109	BLP001	72
028124	23	087806	39	258361	44	713268	44	062649CL	108	BLP002	72
035501	23	087807	39	258361	45	713268	45	062650CL	108	BLP003	72
035502	23	090003	66	258362	44	713269	44	062703CL	109	BLP004	72
035503	23	090260	90	258362	45	713269	45	062819CL	108	BS00102	95
035504	23	097800	39	258363	44	713270	44	065471S	47	BS0231	91
035505	23	097801	39	258363	45	713270	45	065477S	47	BS0506	91
035506	23	097802	39	258364	44	713271	44	095304B	66	BS130413	95
035507	23	097803	39	258364	45	713271	45	130510CLH	42	BS130414	95
035508	23	097804	39	258365	44	713275	44	130510CLH	43	BS130415	95
035509	23	097805	39	258365	45	713275	45	134000CLH	42	BS3002	91
035510	23	097819	39	258367	44	713276	44	134000CLH	43	BS3006	91
035511	23	106570	81	258367	45	713276	45	490005B	110	BS3008	91
035512	23	140537	78	330130	55	713277	44	713114H	42	BS3065P	91
035513	23	140599	78	330133	55	713277	45	713114H	43	BS3568	78
035514	23	141397	30	391059	78	713278	44	713115H	42	BS390078	95
035515	23	257055	111	391070	30	713278	45	713115H	43	BS390079	95
035516	23	257056	111	391070	55	777107	79	713116H	42	BS390080	95
037877	66	257057	111	391071	30	789002	55	713116H	43	BS4002	97
040669	75	257058	111	391071	55	789008	55	713117H	42	BS400200	36
040728	75	257059	111	391072	30	789009	55	713117H	43	BS400201	36
045798	79	257060	111	391072	55	840515	30	713118H	42	BS400206	36
045799	79	257061	111	391073	30	840516	30	713118H	43	BS4003	97
053001	65	257062	111	391073	55	840518	30	713119H	42	BS4004	97
053002	65	257063	111	442400	64	840519	30	713119H	43	BS4005	97
053003	65	257064	111	442401	64	840520	30	713130H	42	BS4006	97
053004	65	257065	111	442402	64	840521	30	713130H	43	BS4007	97
053005	65	257066	111	490005	110	840522	30	713131H	42	BS4008	97
055030	23	257067	111	712247	110	840523	30	713131H	43	BS4009	97
060974	30	257068	111	713245	44	840524	30	789001B	55	BS4010	97
060975	30	257069	111	713245	45	840525	30	87112E	58	BS4011	97
062586	30	257070	111	713246	44	840526	30	87122E	58	BS4012	97
062589	30	257071	111	713246	45	840527	30	87123E	58	BS4013	97
062651	108	257072	111	713247	44	840528	30	87176E	58	BS472007	96
062652	108	257073	111	713247	45	840529	30	87177E	58	BS472008	96
062653	108	257074	111	713248	44	840530	30	ABS022	90	BS472009	96
062654	108	257075	111	713248	45	861001	36	ABS028	36	BS472040	96
062655	108	257076	111	713249	44	861003	36	ABS032	47	BS472041	95
062656	108	257077	111	713249	45	861006	39	ABS119HPA	38	BS4800	96
062657	108	257078	111	713250	44	861055	39	ABS120HPA	38	BS4900	96
065421	47	257079	111	713250	45	900509	78	ABS1210HPA	38	BS720201	96
065422	47	257092	66	713251	44	900511	78	ABS121HPA	38	BS720202	96
065468	47	257107	111	713251	45	900512	78	ABS122HPA	38	BS720203	96
065469	47	257108	111	713252	44	900514	78	ABS123HPA	38	BS720204	95
065470	47	257109	111	713252	45	972015	23	ABS1241HPA	38	BS720205	96
065471	47	257145	111	713253	44	972016	23	ABS124HPA	38	BS720206	96
065472	47	257146	111	713253	45	010154B	49	ABS125HPA	38	BS800101	96
065473	47	257147	111	713254	44	014200CLH	42	ABS1261HPA	38	BS800110	96
065476	47	258253	110	713254	45	014200CLH	43	ABS126HPA	38	BSA001	32
065477	47	258328	44	713255	44	014210CLH	42	ABS127HPA	38	BSA001M	32
068509	78	258328	45	713255	45	014210CLH	43	ABS128HPA	38	BSA002	32
068511	78	258329	44	713255	45	014220CLH	42	ABS1290HPA	38	BSA002M	32
068512	78	258329	45	713260	44	014220CLH	43	ABS129HPA	38	BSA021	25
070501	39	258355	44	713261	44	015020CLH	42	ABS1310HPA	38	BSA022	25
070502	39	258355	45	713261	45	015020CLH	43	ABS1311HPA	38	BSA022/AM	25
070503	39	258356	44	713262	44	028200CLH	42	ABS131HPA	38	BSA022/BLU	25
070504	39	258356	45	713262	45	028200CLH	43	ABS132HPA	38	BSA022/G	25
070505	39	258357	44	713263	44	036060CLH	42	ABS133HPA	38	BSA022/RA	25
070506	39	258357	45	713263	45	036060CLH	43	ABS135HPA	38	BSA022/V	25

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
BSA024	33	BSA655	34	BSD013	81	BSD940	102	BSM001	64	BSM470	51
BSA024/BLU	33	BSA658	34	BSD013/S	81	BSD951	102	BSM001/M	64	BSM470/CS	51
BSA024/G	33	BSA659	34	BSD202	104	BSD952	102	BSM003	64	BSM4702	51
BSA024/RA	33	BSA69	35	BSD205	102	BSD953	102	BSM003/M	64	BSM474/B	51
BSA024/V	33	BSA73	35	BSD206	102	BSD954	104	BSM004	64	BSM478	51
BSA026	25	BSA731	35	BSD207	102	BSDUS25	102	BSM004/M	64	BSM478/CS	51
BSA026/AM	25	BSA74	35	BSD208	102	BSF2051	51	BSM008	69	BSM4811	51
BSA0269	25	BSA77	35	BSD209	102	BSF2051/CS	51	BSM009	69	BSM482/B	51
BSA0269/AM	25	BSA84	33	BSD210K	102	BSF2054	51	BSM011	64	BSM482/CS	51
BSA027	34	BSA85	33	BSD211	102	BSF2054/CS	51	BSM016	69	BSM483/K	51
BSA027	35	BSA86	33	BSD219	102	BSI034R	90	BSM018	69	BSM485	51
BSA029	35	BSA88	35	BSD401	102	BSI035R	90	BSM022	69	BSM486	51
BSA030	35	BSC105	71	BSD525	102	BSI036R	90	BSM0230	66	BSM486/CS	51
BSA031S	33	BSC123	71	BSD5250	102	BSI037R	90	BSM0231	66	BSM492	51
BSA032	35	BSC124	71	BSD585	102	BSI038R	90	BSM0235	66	BSM570	98
BSA0361	81	BSC128	71	BSD586	102	BSI080R	90	BSM0240	66	BSM58025B/AZ	19
BSA037	81	BSC128/B	71	BSD587	102	BSI081R	90	BSM0241	66	BSM58025B/G	19
BSA039TX	81	BSC132	71	BSD594	102	BSI082R	90	BSM0245	66	BSM58025B/RO	19
BSA045	35	BSC145/CS	71	BSD598	102	BSI083R	90	BSM030	64	BSM58025B/V	19
BSA046	35	BSC146	71	BSD5981	102	BSI084R	90	BSM031	64	BSM58025B1D/AZ	19
BSA057	52	BSC148	71	BSD599	102	BSI099	77	BSM0319	64	BSM58025B1D/G	19
BSA0592	53	BSC160	71	BSD600	102	BSI100	77	BSM032	64	BSM58025B1D/RO	19
BSA0594	53	BSC163	71	BSD613	102	BSI101	77	BSM032/M	64	BSM58025B1D/V	19
BSA0594/P	53	BSC195	71	BSD614	102	BSI102	75	BSM080	67	BSM58048H	22
BSA059V	53	BSC198	71	BSD632	102	BSI1022	75	BSM081	67	BSM58048HE	22
BSA059V/P	53	BSC199	71	BSD680	102	BSI1024	75	BSM082	67	BSM58048HI	22
BSA060	52	BSC200	84	BSD6802	102	BSI1026	75	BSM083	67	BSM58048L	22
BSA061	54	BSC201	84	BSD700	103	BSI1027	75	BSM084	67	BSM58048LE	22
BSA062	54	BSC202	84	BSD701	103	BSI1028	75	BSM085	67	BSM58048LI	22
BSA062/AZ	54	BSC203	84	BSD702	103	BSI103	75	BSM086	67	BSM580612D/5AZ	63
BSA062/B	54	BSC246	72	BSD703	103	BSI1032	75	BSM087	67	BSM580612D/AZ	21
BSA062/BLU	54	BSC249	72	BSD704	103	BSI1034	75	BSM088	67	BSM580612D/G	21
BSA062/G	54	BSC250	72	BSD706	103	BSI1036	75	BSM089	67	BSM580612D/RO	21
BSA062/RA	54	BSC251	72	BSD707	103	BSI1037	75	BSM090	67	BSM580612D/V	21
BSA062/RO	54	BSC2511	79	BSD708	103	BSI1038	75	BSM091	67	BSM58061B/AZ	19
BSA062/V	54	BSC2512	79	BSD7081	103	BSI104	75	BSM092	67	BSM58061B/G	19
BSA063	54	BSC252	72	BSD709	103	BSI105	75	BSM093	67	BSM58061B/RO	19
BSA063/AZ	54	BSC2520	79	BSD710	103	BSI1056	78	BSM100	72	BSM58061B/V	19
BSA063/B	54	BSC2521	79	BSD7101	103	BSI1058	78	BSM190	65	BSM58061B1D/AZ	19
BSA063/BLU	54	BSC2522	79	BSD7102	103	BSI1059	78	BSM191	65	BSM58061B1D/G	19
BSA063/G	54	BSC2524	79	BSD711	103	BSI109	69	BSM200	65	BSM58061B1D/RO	19
BSA063/RA	54	BSC2527	79	BSD712	102	BSI114	79	BSM201	65	BSM58061B1D/V	19
BSA063/RO	54	BSC253	71	BSD714	103	BSI200	77	BSM212	65	BSM58061B1D5/AZ	63
BSA063/V	54	BSC258	71	BSD715	102	BSI201	77	BSM2120	65	BSM580712D/AZ	21
BSA064	54	BSC300	73	BSD716	103	BSI202	77	BSM2124/S	65	BSM580712D/G	21
BSA066	81	BSC301	73	BSD717	103	BSI203	77	BSM215	65	BSM580712D/RO	21
BSA094	33	BSC302	73	BSD719	103	BSI204	77	BSM220	65	BSM580712D/V	21
BSA096	33	BSC303	73	BSD730	103	BSI205	77	BSM230	65	BSM58071B/AZ	19
BSA098	33	BSC304	73	BSD742	104	BSI206	77	BSM235	65	BSM58071B/G	19
BSA102	35	BSC305	73	BSD749SG	104	BSI220	75	BSM236	65	BSM58071B/RO	19
BSA108	33	BSC306	73	BSD770	103	BSL274	77	BSM237	65	BSM58071B/V	19
BSA2101	98	BSC311	73	BSD778	103	BSL276	77	BSM240	69	BSM58071B1D/AZ	19
BSA2201	98	BSC312	73	BSD779	103	BSL277	77	BSM241	69	BSM58071B1D/G	19
BSA2301	98	BSC315	73	BSD855/E	104	BSL278	77	BSM242	69	BSM58071B1D/RO	19
BSA2350	104	BSC660	71	BSD890	104	BSL483	72	BSM400	51	BSM58071B1D/V	19
BSA2401	98	BSC665	71	BSD913	104	BSL486	72	BSM402	51	BSM5810/AZ	23
BSA2461	98	BSC729	68	BSD920	102	BSL489	84	BSM407	51	BSM5810/RO	23
BSA2601	98	BSC740	69	BSD921	102	BSL671	77	BSM408	51	BSM5810/V	23
BSA2701	98	BSD001	81	BSD922	102	BSL672	77	BSM410	51	BSM58100/AZ	19
BSA2801	98	BSD002	81	BSD923	102	BSL673	77	BSM416	51	BSM58100/B	19
BSA5258	35	BSD003	81	BSD930	103	BSL922	77	BSM424	51	BSM58100/G	19
BSA636S	35	BSD010	81	BSD932	103	BSL923	77	BSM450	51	BSM58100/RO	19
BSA646S	35	BSD011	81	BSD935	103	BSL924	77	BSM468	53	BSM58100/V	19
BSA651	35	BSD012	81	BSD936	103	BSL925	77	BSM469	53	BSM581001D/B	19

# INDEX BY ITEM CODE

Code	Page	Code	Page	Code	Page	Code	Page	Code	Page	Code	Page
BSM581002D/B	21	BSP128	59	BSS110	87	BSTA34	88	BV042R	85	CL05.005.0100S	26
BSM581052D/B	21	BSP213	55	BSS111	87	BSV011	89	BV043R	85	CL05.0100DLB	27
BSM5827/AZ	30	BSP217	55	BSS114	87	BSV012	89	BV044R	85	CL05.0100PLB	27
BSM5827/RO	30	BSP300	34	BSS120	87	BSV0121	89	BV045R	85	CL05.050.0001S	26
BSM5827/V	30	BSP361	51	BSS121	87	BSV0123P	89	BV046R	85	CL05DLBSC	12
BSM910/AZ	29	BSR001	40	BSS130	87	BSV120	61	BV047R	85	CL05PLBSC	12
BSM910/BI	29	BSR001	41	BSS131	87	BSV1200	61	BV048R	85	CL05SC	12
BSM910/G	29	BSR001R	40	BSS133/A	87	BSV1201	61	BV049R	85	CL100	37
BSM910/RA	29	BSR001R	41	BSS134	87	BSV1205	61	BV050R	85	CL101	37
BSM910/RO	29	BSR002	40	BSS135	87	BSV121	61	BV051R	85	CL102	37
BSM910/V	29	BSR002	41	BSS136	87	BSV1210	61	BV052R	85	CL103	37
BS0025	54	BSR002R	40	BSS137	87	BSV1211	61	BV053R	85	CL105	37
BS0026	54	BSR002R	41	BSS140	87	BSV1215	61	BV054R	85	CL106	37
BS0027	54	BSR004	40	BSS141	87	BSV134	46	BV055R	85	CL107	37
BS0028	54	BSR007	40	BSS216	87	BSV135	46	BV056R	85	CL108	37
BS0029	54	BSR008	40	BSS220	87	BSV1351	46	BV057R	84	CL109	37
BS0030	54	BSR008	41	BSS221	87	BSV136	46	BV058R	84	CL110	37
BS0032	54	BSR009	40	BSS222	87	BSV137	46	BV059R	84	CL111	37
BS0036	54	BSR011	40	BSS223	87	BSV1371	46	BV060R	84	CL112	37
BS0037	54	BSR011	41	BSS224	87	BSV140	46	BV061R	86	CL113	37
BS0038	54	BSR012	40	BSS225	87	BSV143	46	BV063R	86	CL117	37
BS0039	54	BSR012	41	BSS226	87	BSV150	46	BV064R	86	CL15.002.0500	26
BS0040	54	BSR014	40	BSS227	87	BSV180	46	BV065R	86	CL15.004.0050S	26
BS0041	54	BSR017	40	BSS228	87	BV001R	85	BV066R	86	CL15.0050DLB	27
BS0043	54	BSR018	40	BSS230R	87	BV002R	85	BV067R	86	CL15.0050PLB	27
BS0061	55	BSR018	41	BSS231R	87	BV003R	85	BV068R	86	CL15.100.0001S	26
BS0071	104	BSR019	40	BSS232R	87	BV004R	85	BV069R	86	CL15DLBSC	12
BS0100	54	BSR0412	40	BSS233R	87	BV005R	85	BV070R	86	CL15PLBSC	12
BS0100/BLU	54	BSR0412	41	BSS234R	87	BV006R	85	BV071R	86	CL15SC	12
BS0100/GR	54	BSR0422	40	BSS235R	87	BV007R	85	BV072R	86	CL1ARBEPSTS	18
BS0100/RO	54	BSR0422	41	BSS236R	87	BV008R	85	BV073R	86	CL1ARBIPSTS	18
BS0100/V	54	BSR048/N	40	BSS237R	87	BV009R	85	BV074R	86	CL1BESC	10
BS0113	54	BSR048/N	41	BSS238R	87	BV010R	85	BV075R	86	CL1BISC	10
BSP044	52	BSR049/N	40	BSS250	86	BV011R	85	BV079R	84	CL1D80/6	63
BSP048	52	BSR062	40	BSS251	86	BV012R	85	BV080R	85	CL1D80/AZ	63
BSP049	52	BSR062	41	BSS252	86	BV013R	85	BV081R	85	CL1D80/BI	63
BSP054	52	BSR0625	40	BSS465	84	BV014R	85	BV082R	85	CL1D80/MIX	63
BSP055	52	BSR0625	41	BSS466	84	BV015R	85	BV083R	85	CL1D80/RO	63
BSP056	52	BSR062R	40	BSS555	88	BV016R	85	BV084R	85	CL1D80/V	63
BSP058	52	BSR062R	41	BSS555/VI	88	BV017R	85	BV085R	85	CL20.002.0500	26
BSP059	52	BSR063	40	BST002	88	BV018R	85	BV086R	85	CL20.004.0050S	26
BSP060	52	BSR063	41	BST006	88	BV019R	85	BV087R	85	CL20.0050DLB	27
BSP061	52	BSR064	40	BST006	88	BV020R	85	BV088R	85	CL20.0050PLB	27
BSP062	52	BSR064	41	BST041	88	BV021R	85	BV089R	85	CL20.100.0001S	26
BSP063	52	BSR064R	40	BST042	88	BV022R	85	BV100	86	CL200	48
BSP068	52	BSR064R	41	BST044	88	BV023R	85	BV101	86	CL201	48
BSP069	52	BSR066	40	BST046	88	BV024R	85	BV102	86	CL202	48
BSP072	52	BSR066	41	BST077	88	BV025R	85	BV103	86	CL203	48
BSP073	52	BSR0665	40	BST079	88	BV026R	85	BV104	86	CL204	48
BSP074	52	BSR0665	41	BST084	88	BV027R	85	BVS100	57	CL205	48
BSP074	59	BSR066R	40	BST086	88	BV028R	85	BVS100	59	CL206	48
BSP0741	59	BSR066R	41	BST096	88	BV029R	85	BVS101	59	CL207	48
BSP075	52	BSR067	40	BST115	88	BV030R	85	BVS171	59	CL20DLBSC	12
BSP075	59	BSR067	41	BST125/RA	88	BV031R	85	BVS1715	59	CL20PLBSC	12
BSP076	52	BSR067R	40	BST128	88	BV032R	85	BVS1719	59	CL20SC	12
BSP077	52	BSR067R	41	BST128	89	BV033R	85	BVS190	57	CL2ARBEP2D	20
BSP082	52	BSR075	40	BST160	88	BV034R	85	BVS190	59	CL2ARBEPSTS	18
BSP083	52	BSR075	41	BST168	88	BV035R	85	CL022	25	CL2ARBIP2D	20
BSP100	59	BSR076	40	BST170	88	BV036R	85	CL022/AM	25	CL2ARBIPSTS	18
BSP104	59	BSR080	40	BSTA18	88	BV037R	85	CL026	25	CL2AREPSTS	18
BSP108	59	BSR080	41	BSTA19	88	BV038R	85	CL026/AM	25	CL2ARIPSTS	18
BSP111	59	BSR9940/B	41	BSTA21	88	BV039R	85	CL0269	25	CL2BE2DSC	11
BSP112	59	BSR9941/B	41	BSTA22	88	BV040R	85	CL0269/AM	25	CL2BESC	10
BSP113	59	BSR9942/B	41	BSTA24	88	BV041R	85	CL05.001.0500	26	CL2BI2DSC	11

Code	Page	Code	Page	Code	Page
CL2BISC	10	CL740	29	TBS757	79
CL2D80/AZ	63	CL744/S	29	VBS1000	68
CL2D80/BI	63	CL744SC	11	VBS403	76
CL2D80/G	63	CL744SDLB	29	VBS404	76
CL2D80/MIX	63	CL744SPLB	29	VBS5001	77
CL2D80/RO	63	CL746/S	29	VBS599	47
CL2D80/V	63	CL750	29	VBS600	47
CL2ESC	10	CL754/AM*	29	VBS633	76
CL2ISC	10	CL754/S	29	VBS634	76
CL300	48	CL754/SAM	29	VBS636	76
CL301	48	CL754SC	11	VBS637	76
CL302	48	CL754SDLB	29	VBS638	76
CL303	48	CL754SPLB	29	VBS649	76
CL304	48	CL756/S	29	VBS650	76
CL3ARBEPSTS	18	CL810	29	VBS6504	76
CL3BESC	10	CL810/AZ	29	VBS651	76
CL474	50	CL810/BI	29	VBS6514	76
CL475	50	CL810/G	29	VBS653	76
CL477	50	CL810/RA	29	VBS653/A	76
CL482	50	CL810/RO	29	VBS654	76
CL490	50	CL810/V	29	VBS654/A	76
CL4ARBEPSTS	18	CL811	29	VBS655	76
CL4ARBIPSTS	18	CL811/AZ	29	VBS655/A	76
CL4ARIPSTS	18	CL811/BI	29	VBS656	76
CL4BESC	10	CL811/G	29	VBS656/AR	76
CL4BISC	10	CL811/RA	29	VBS656/AZ	76
CL4ISC	10	CL811/RO	29	VBS656/B	76
CL50.002.0100	26	CL811/V	29	VBS656/G	76
CL50.010.0020S	26	CL812	29	VBS656/RA	76
CL50.050.0001S	26	CL812/AZ	29	VBS656/V	76
CL500	49	CL812/BI	29	VBS6583	76
CL501	49	CL812/G	29	VBS6584	76
CL502	49	CL812/RA	29	VBS6585	76
CL50SC	12	CL812/RO	29	VBS6586	76
CL5ARBEP2D	20	CL812/V	29	VBS6586/AR	76
CL5ARBEPSTS	18	CL900	49	VBS6586/AZ	76
CL5ARBIPS2D	20	CL901	49	VBS6586/B	76
CL5ARBIPSTS	18	CL902	49	VBS6586/G	76
CL5ARIPSTS	18	CL903	49	VBS6586/RA	76
CL5BE2DSC	11	CLDR1D80/AZ	63	VBS6586/V	76
CL5BESC	10	CLDR1D80/BI	63	VBS700A	78
CL5BI2DSC	11	CLDR1D80/G	63		
CL5BISC	10	CLDR1D80/MIX	63		
CL5ISC	10	CLDR1D80/RO	63		
CL600	29	CLDR1D80/V	63		
CL604/S	28	CLDR2D80/AZ	63		
CL604SC	11	CLDR2D80/BI	63		
CL606/S	28	CLDR2D80/G	63		
CL610	29	CLDR2D80/MIX	63		
CL614/S	28	CLDR2D80/RO	63		
CL614SC	11	CLDR2D80/V	63		
CL616/S	28	CRY910TS/AZ	23		
CL720	29	CRY910TS/BI	23		
CL724/S	28	CRY910TS/G	23		
CL724SC	11	CRY910TS/RO	23		
CL724SDLB	29	CRY910TS/V	23		
CL724SPLB	29	CRY910TS/VI	23		
CL726/S	28	CRY920TS/B	23		
CL730	29	TBS102	79		
CL734/S	28	TBS135	59		
CL734SC	11	TBS494	79		
CL734SDLB	29	TBS560	79		
CL734SPLB	29	TBS614	79		
CL736/S	28	TBS625	79		

## 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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