



MADEinITALY

CATALOGUE**2018**

BIOTECHNOLOGY AND CLINICAL CHEMISTRY PRODUCTS





CLEARLine[®]
"Be cool, be safe, be CLEARLine"

CLEARLine is a Biosigma's registered trade mark synonymous of purity, clean and safety.

Thanks to the use of high quality raw materials and specific procedures during production phase, our CLEARLine products are ideal for the most sensitive applications. Manufactured under clean-room conditions with strict quality standards, the purity of the products is certified by lot by an external accredited laboratory.
The lot-specific certificates are available on request and can also be downloaded from:
www.biosigma.com



Registered trade mark identifying CLEARLine products manufactured by Biosigma



Registered trade mark identifying accessories for CLEARLine products



Trade mark identifying CLEARLine products distributed by Biosigma

Company Profile

Since 1988 Biosigma S.r.l. produces and distributes disposable plastic items for biotechnology, research, clinical chemistry and pharmaceutical laboratories.

In our over 12,000 sqm facilities, we dispose of latest injection machines and informatics tools that allow production of high standard quality articles still being competitive on the worldwide market

Every customer can count on a perfectly organized structure, ISO 13485, OHSAS 18001 and ISO 14001 certified, able to adapt our biotechnology products and services to continuous demands of the market. We offer our customers experience and professional competence; customer satisfaction and quality of our products are always our main targets.

Our efforts in research and development allow us to offer a growing and more advanced range of products both in Clinical Chemistry and Biotechnology fields.

Biosigma's manufacturing are CE marked in accordance with 98/79/EC directive related to In Vitro Diagnostic Medical Devices.

Since August 2011 Biosigma became part of Dominique Dutscher Group, leader in the distribution of consumables and equipments for life science and biotechnology market. Over 60,000-product catalogue and more than 140 brands such as Eppendorf, Thermo, Gilson, Nalgene Nunc.

For further information visit www.dutscher.com



Certifications



" Biosigma is always focused on the safety and the quality of its work reaching the most important certifications "

ISO 13485 Quality System Certificate demonstrates and promotes the company's commitment to organizational policies aimed at providing products and services in line with regulatory and market requirements related to the medical field.



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.



The certification of the management system of health and safety in the workplace OHSAS 18001 is intended to provide security and tranquility that problems regarding the safety and health related to production processes are managed in a controlled way and that benefits in terms of safety are always monitored starting from the respect of conformity to mandatory legislation.



Registration Number: 3002945499
The production establishment and IVD Biosigma devices are registered with the FDA (Food and Drug Administration).

CE Directive



Most of the products manufactured by Biosigma, are CE marked in accordance with 98/79/EC Directive related to in vitro diagnostic medical devices. CE certification attests that the company assumes specific responsibilities related to the compliance of the devices to all the Community rules which provide for their use: from design to manufacturing, placing on the market, putting into service of the product to disposal.

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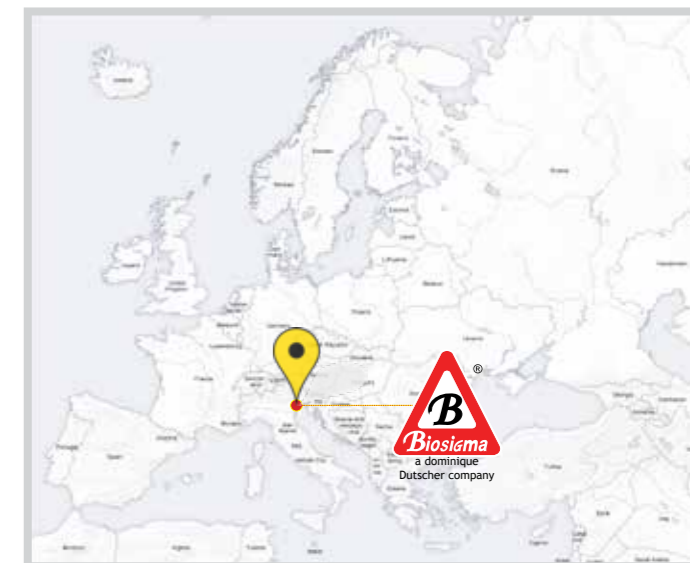
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International Web-Site:
www.biosigma.com



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CONFINDUSTRIA VENEZIA
AREA METROPOLITANA DI VENEZIA E ROVIGO



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On our site you can find discounted products and tools.
Material from packaging not complete and discontinued items, equipment used for demonstration purposes, or with small defects due to transport which do not affect the proper functioning of the instrument.
For any information, contact customer service.

Summary

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CRYOWARE

For more details please visit:
<http://www.biosigma.com/cryoware.html>



A complete line of cryogenic vials and boxes to store specimens at temperatures as low as -196 C°.

Biosigma CryoGen® tubes are certified Human DNA, DNase/RNase/Pyrogen/ATP/PCR Inhibitors free, sterile SAL 10⁻⁶ and IATA PI 650, with a unique and consecutive 1D barcode printed on the tubes' bodies.

The line also includes 2D CryoGen® tubes, in addition to 1D linear barcode, having a 2D data matrix barcode on the tubes' bottoms.

CryoGen® vials can be stored into Biosigma CryoGen® boxes, 25, 81 or 100 places, provided of 1D linear barcode printed on the box side or 2D CryoGen® boxes with also 2D matrix barcoded on boxes' bottoms.

Cryoboxes are made of polycarbonate to resist at temperatures as LOW AS -196 C°. Autoclavable at 120 C° for 20 minutes.

Medical grade raw material certified USP Class VI, in accordance with United States Pharmacopeia and ISO 10993.

WARNING

Do not store CryoGen® tubes in liquid phase Nitrogen. Ingress of Nitrogen into the tube can occur by causing the tube to rupture when taken out of storage. May cause injury and loss of tube contents. Working Temperature: suitable for storage from general cold storage refrigeration (+4°C) down to the vapor phase of liquid nitrogen.

CRYOWARE

1D CRYOLINE

CryoGen® Tubes / 1D linear barcode

- ▶ Human DNA, DNase, RNase, Pyrogen, ATP, PCR inhibitors free certified*
 - ▶ Sterile SAL 10⁻⁶ *
 - ▶ CE-IVD marked *
 - ▶ Certified IATA PI 650
 - ▶ Manufactured in Clean Room Class ISO 7 (UNI EN ISO 14644-1). Class 10000 (US FED STD 209E)
 - ▶ Working Temperature: suitable for storage from general cold storage refrigeration (+4°C) down to the vapor phase of liquid nitrogen
 - ▶ Tubes in Polypropylene / Caps in Polyethylene and TPV
- * Certificate of analysis, Certificate of validated Beta rays treatment and Declaration of conformity CE-IVD available for download on www.biosigma.com

CLEARLine®
 "Be cool, be safe, be CLEARLine"



Color coded inserts are available to fit both internal and external caps for quick sample identification (see pag 24)

Innovative internal and external screw caps are produced from medical grade polyethylene (PE) and are co-molded with a thermoplastic elastomer (TPV) to provide a 100% leak-proof seal

Produced from medical grade raw materials that will not discolor after re-sterilizing

Printed graduations for accurate measurements

White writing surface for specimen identification

Round bottom or self standing

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

Chemical resistant caps

Slim profile external caps ensure better fit in standard racks and boxes

Vials and caps are autoclavable

Standard code 128 barcode on each vial includes human readable characters printed in both left and right hand orientation for easy readability by all users.

Chemical resistant polypropylene (PP) vial

Self-standing vials interlock in workstations



Our innovative screw caps eliminate leakage and contamination. Both internal and external screw caps are co-molded with a thermoplastic elastomer (TPV) layer and are 95kPa certified to provide a 100% leak-proof seal. This proprietary molding process eliminates the risk of contamination associated with brands that use separate o-rings.



Dispenser Box 500 pcs (10 bags of 50)

Inner sealed Zip bag of 50 pcs With sterilization indicator

CLEARLine®
"Be cool, be safe, be CLEARLine"



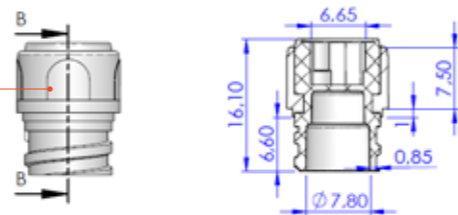
For automatic capper/decapper

Star shaped top cavity is engineered for use with automatic decapping equipment (see page 20)



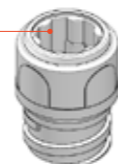
No contamination risk

Our innovative screw caps eliminate leakage and contamination. Both internal and external screw caps are co-molded with a thermoplastic elastomer (TPV) layer and are 95kPa certified to provide a 100% leak-proof seal. This proprietary molding process eliminates the risk of contamination associated with brands that use separate o-rings.



Insert for color coding

Color coded inserts are available to fit both internal and external caps for quick sample identification (see page 24)



CryoGen Tubes Internal cap

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free



Internal cap - case / 500

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL1ARBIPSTS	1.2	4.27	Self Standing	bag / 50	case / 500
CL2ARBIPSTS	2.0	4.82	Self Standing	bag / 50	case / 500
CL2ARIPSTS	2.0	4.70	Round bottom	bag / 50	case / 500
CL4ARBIPSTS	4.0	7.62	Self Standing	bag / 50	case / 500
CL4ARIPSTS	4.0	7.50	Round bottom	bag / 50	case / 500
CL5ARBIPSTS	5.0	9.03	Self Standing	bag / 50	case / 500
CL5ARIPSTS	5.0	8.92	Round bottom	bag / 50	case / 500

Internal cap - packaging in bulk

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL1ARBIPSTS/B	1.2	4.27	Self Standing	bag / 50	carton / 4500
CL2ARBIPSTS/B	2.0	4.82	Self Standing	bag / 50	carton / 4000
CL2ARIPSTS/B	2.0	4.70	Round bottom	bag / 50	carton / 4000
CL4ARBIPSTS/B	4.0	7.62	Self Standing	bag / 50	carton / 2500
CL4ARIPSTS/B	4.0	7.50	Round bottom	bag / 50	carton / 2500
CL5ARBIPSTS/B	5.0	9.03	Self Standing	bag / 50	carton / 2000
CL5ARIPSTS/B	5.0	8.92	Round bottom	bag / 50	carton / 2000

6 different colors caps available. To order add ending as follows: /AZ (blue) /BI(white) /G(yellow) /RO(red) /V(green) /VI(violet)

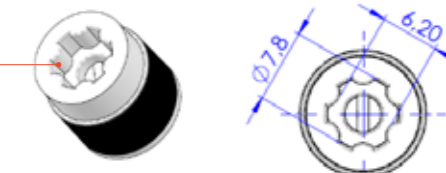


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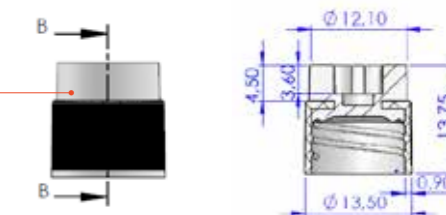
For automatic capper/decapper

Star shaped top cavity is engineered for use with automatic decapping equipment (see page 20)



No contamination risk

Our innovative screw caps eliminate leakage and contamination. Both internal and external screw caps are co-molded with a thermoplastic elastomer (TPV) layer and are 95kPa certified to provide a 100% leak-proof seal. This proprietary molding process eliminates the risk of contamination associated with brands that use separate o-rings.



Insert for color coding

Color coded inserts are available to fit both internal and external caps for quick sample identification (see page 24)



CryoGen Tubes External cap

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free



External cap - case / 500

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL1ARBEPSTS	1.2	4.02	Self Standing	bag / 50	case / 500
CL2ARBEPSTS	2.0	4.56	Self Standing	bag / 50	case / 500
CL2AREPSTS	2.0	4.45	Round bottom	bag / 50	case / 500
CL3ARBEPSTS	3.0	6.92	Self Standing	bag / 50	case / 500
CL4ARBEPSTS	4.0	7.36	Self Standing	bag / 50	case / 500
CL5ARBEPSTS	5.0	8.76	Self Standing	bag / 50	case / 500

External cap - packaging in bulk

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL1ARBEPSTS/B	1.2	4.02	Self Standing	bag / 50	carton / 4500
CL2ARBEPSTS/B	2.0	4.56	Self Standing	bag / 50	carton / 4000
CL2AREPSTS/B	2.0	4.45	Round bottom	bag / 50	carton / 4000
CL3ARBEPSTS/B	3.0	6.92	Self Standing	bag / 50	carton / 2500
CL4ARBEPSTS/B	4.0	7.36	Self Standing	bag / 50	carton / 2500
CL5ARBEPSTS/B	5.0	8.76	Self Standing	bag / 50	carton / 2000

6 different colors caps available. To order add ending as follows: /AZ (blue) /BI(white) /G(yellow) /RO(red) /V(green) /VI(violet)

6 different colors caps available. To order add ending as follows: AZ (blue) BI(white) G(yellow) RO(red) V(green) VI(violet)



Cryoboxes in polycarbonate

Boxes in polycarbonate for CryoGen® Tubes storage. Different models are available to accommodate either 25, 81 or 100 CryoGen® tubes. These durable cryogenic storage boxes are designed to be used at temperatures between -196°C and +121°C and are autoclavable at 120°C, for 20 minutes.

- ▶ for storing at temperatures as low as -196 °C
- ▶ autoclavable at 121 °C for 20 minutes

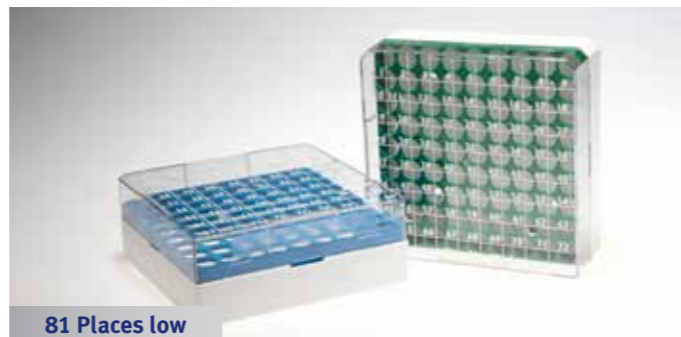
- ▶ Numerical grid printed on the lid
- ▶ Frosted area on both lid and bottom for an easy writing
- ▶ Colored grid
- ▶ For storing at temperatures as low as -196 °C
- ▶ Autoclavable at 121 °C for 20 minutes

- ▶ Vial Picker: Removal of vials facilitated by a vial picker. Suitable for both internal and external Cryogen Tubes screw cap. Supplied with each pack of storage boxes
- ▶ In polycarbonate



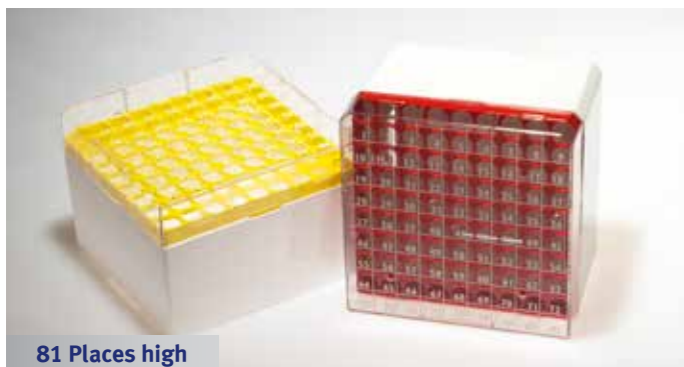
CryoGen® Box 25 pad printed grid lid for 1 - 2 ml tubes, external and internal cap

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58025B/AZ	light blue	76x76x52	6 packs of 8 units	case / 48
BSM58025B/RO	red	76x76x52	6 packs of 8 units	case / 48
BSM58025B/V	green	76x76x52	6 packs of 8 units	case / 48
BSM58025B/G	yellow	76x76x52	6 packs of 8 units	case / 48



CryoGen® Box 81 LOW pad printed grid lid for 1 - 2 ml tubes, external and internal cap

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58061B/AZ	light blue	132x132x52	8 packs of 5 units	case / 40
BSM58061B/RO	red	132x132x52	8 packs of 5 units	case / 40
BSM58061B/V	green	132x132x52	8 packs of 5 units	case / 40
BSM58061B/G	yellow	132x132x52	8 packs of 5 units	case / 40



CryoGen® Box 81 HIGH pad printed grid lid for 3 - 4 - 5 ml tubes external cap, and 5 ml internal cap

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58071B/AZ	light blue	132x132x94	8 packs of 4 units	case / 32
BSM58071B/RO	red	132x132x94	8 packs of 4 units	case / 32
BSM58071B/V	green	132x132x94	8 packs of 4 units	case / 32
BSM58071B/G	yellow	132x132x94	8 packs of 4 units	case / 32



CryoGen® Box 100 pad printed grid lid for 1 - 2 ml tubes, internal cap

CAT. NO.	Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58100/B	white	132x132x52	8 packs of 5 units	case / 40
BSM58100/AZ	light blue	132x132x52	8 packs of 5 units	case / 40
BSM58100/RO	red	132x132x52	8 packs of 5 units	case / 40
BSM58100/V	green	132x132x52	8 packs of 5 units	case / 40
BSM58100/G	yellow	132x132x52	8 packs of 5 units	case / 40

1D Cryoboxes in polycarbonate

- ▶ Linear Barcode 'code 128' lasered on the rack side with human reading decoding
- ▶ Numerical grid serigraphed both on lid and bottom for an easy positioning
- ▶ Frosted area on both lid and bottom for an easy writing
- ▶ Colored grid

- ▶ For storing at temperatures as low as -196 °C
- ▶ Autoclavable at 121 °C for 20 minutes
- ▶ Vial Picker: Removal of vials facilitated by a vial picker. Suitable for both internal and external Cryogen Tubes screw cap. Supplied with each pack of storage boxes
- ▶ In polycarbonate



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

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58025B1D/AZ	light blue	76x76x52	6 packs of 8 units	case / 48
BSM58025B1D/RO	red	76x76x52	6 packs of 8 units	case / 48
BSM58025B1D/V	green	76x76x52	6 packs of 8 units	case / 48
BSM58025B1D/G	yellow	76x76x52	6 packs of 8 units	case / 48



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

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58061B1D/AZ	light blue	132x132x52	8 packs of 5 units	case / 40
BSM58061B1D/RO	red	132x132x52	8 packs of 5 units	case / 40
BSM58061B1D/V	green	132x132x52	8 packs of 5 units	case / 40
BSM58061B1D/G	yellow	132x132x52	8 packs of 5 units	case / 40



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

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM58071B1D/AZ	light blue	132x132x94	8 packs of 4 units	case / 32
BSM58071B1D/RO	red	132x132x94	8 packs of 4 units	case / 32
BSM58071B1D/V	green	132x132x94	8 packs of 4 units	case / 32
BSM58071B1D/G	yellow	132x132x94	8 packs of 4 units	case / 32



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

CAT. NO.	Color	Dimensions (mm)	Internal packaging	Sale unit
BSM581001D/B	white	132x132x52	8 packs of 5 units	case / 40

Recommended for 4Banking system



4Banking® - BASIC BIO-BANKING BOX



THE EASIEST WAY TO STORE, MANAGE AND TRACK YOUR SAMPLES



500 CryoGen® Tubes

- ▶ 10 bags of 50 CryoGen® tubes heat-sealed with precut, resealable
- ▶ Internal or External screw cap
- ▶ Bi-injected cap (no leaking no contamination)
- ▶ Barcode "code 128A" printed on the tube, readable with provided scanner
- ▶ Serial-consecutive and unique barcode, double decoding alphanumeric clearly readable in both directions
- ▶ Large writing area
- ▶ Suitable for automatic decapper
- ▶ Made with medical grade raw materials
- ▶ Manufactured in cleanroom class ISO 7 (ISO 14644-1)
- ▶ CLEARLine® certified (free of Human DNA, DNase, RNase, PCR inhibitors, Pyrogens, ATP)*
- ▶ Sterile SAL 10⁻⁶* - CE-IVD marked *

"Samples Quick" software

- ▶ Intuitive 'user friendly' software
- ▶ Customizable records
- ▶ Automatic backup of data
- ▶ Easy import/export data
- ▶ Integrable with other existing storage systems
- ▶ Pc Windows only
- ▶ 1 Quick start guide
- ▶ 1 User manual with software user guide
- ▶ Available in English or French



Free Download the demo version
<http://www.biosigma.com/biobanking-creation>



* Certificate of analysis, Certificate of validated Beta rays treatment and Declaration of conformity CE-IVD available for download on www.biosigma.com

High performance Scanner

- ▶ 1 Affordable, high-performance handheld, scanner
- ▶ Features the industry's fastest 2D-imaging technology for highly responsive, reliable scanning
- ▶ Unique, ergonomic styling maximizes comfort and saves countertop space
- ▶ Large LED indicator provides effective visual operational feedback
- ▶ Easy plug&play installation on your PC
- ▶ USB cable
- ▶ 1 user manual
- ▶ Available with USB cable or Wireless with charge base



1D Cryoboxes in polycarbonate (see previous page) recommended to be used with 4Banking System

Features:

- ▶ Innovative solution to manage your samples
- ▶ Linear barcode printed on the tubes and 2D DataMatrix code
- ▶ Storage location management by a 'user friendly' software
- ▶ Easy and fast sample tracking
- ▶ Custom editable information for each sample

All kits include:

- ▶ 1 USB Scanner or 1 Wireless Scanner
- ▶ or 1 PC-Tablet, ready to use + USB scanner
- ▶ 10 bags of 50 CryoGen® tubes, zip bag
- ▶ 1 "Samples Quick" software License
- ▶ User Manual with software guide

4Banking® Kits with 1D linear barcoded tubes

CAT.NO.*	CAT.NO.*	CAT.NO.*	Vol. (ml)	Bottom Style	Cap model	Software
BBB1BE	BBB1BEBT	BBB1BEPC	1.2	self standing	External	Samples Quick
BBB1BI	BBB1BIBT	BBB1BIPC	1.2	self standing	Internal	Samples Quick
BBB2BE	BBB2BEBT	BBB2BEPC	2.0	self standing	External	Samples Quick
BBB2BI	BBB2BIBT	BBB2BIPC	2.0	self standing	Internal	Samples Quick
BBB2E	BBB2EBT	BBB2EPC	2.0	round	External	Samples Quick
BBB2I	BBB2IBT	BBB2IPC	2.0	round	Internal	Samples Quick
BBB3BE	BBB3BEBT	BBB3BEPC	3.0	self standing	External	Samples Quick
BBB4I	BBB4IBT	BBB4IPC	4.0	round	Internal	Samples Quick
BBB4BE	BBB4BEBT	BBB4BEPC	4.0	self standing	External	Samples Quick
BBB4BI	BBB4BIBT	BBB4BIPC	4.0	self standing	Internal	Samples Quick
BBB5BE	BBB5BEBT	BBB5BEPC	5.0	self standing	External	Samples Quick
BBB5BI	BBB5BIBT	BBB5BIPC	5.0	self standing	Internal	Samples Quick
BBB5I	BBB5IBT	BBB5IPC	5.0	round	Internal	Samples Quick

*To order the kits with French software add ending /F

4Banking® Kits with 2D barcoded tubes

CAT.NO.*	CAT.NO.*	CAT.NO.*	Vol. (ml)	Bottom Style	Cap model	Software
BBB2BE2D	BBB2BE2DBT	BBB2BE2DPC	2.0	self standing	External	Samples Quick
BBB2BI2D	BBB2BI2DBT	BBB2BI2DPC	2.0	self standing	Internal	Samples Quick
BBB5BE2D	BBB5BE2DBT	BBB5BE2DPC	5.0	self standing	External	Samples Quick
BBB5BI2D	BBB5BI2DBT	BBB5BI2DPC	5.0	self standing	Internal	Samples Quick

*To order the kits with French software add ending /F

2D CRYOLINE

CryoGen® Tubes / 2D barcode

CLEARLine®
"Be cool, be safe, be CLEARLine"



Color coded inserts are available to fit both internal and external caps for quick sample identification (see pag 24)

Innovative internal and external screw caps to provide a 100% leak-proof seal

Produced from medical grade raw materials that will not discolor after re-sterilizing

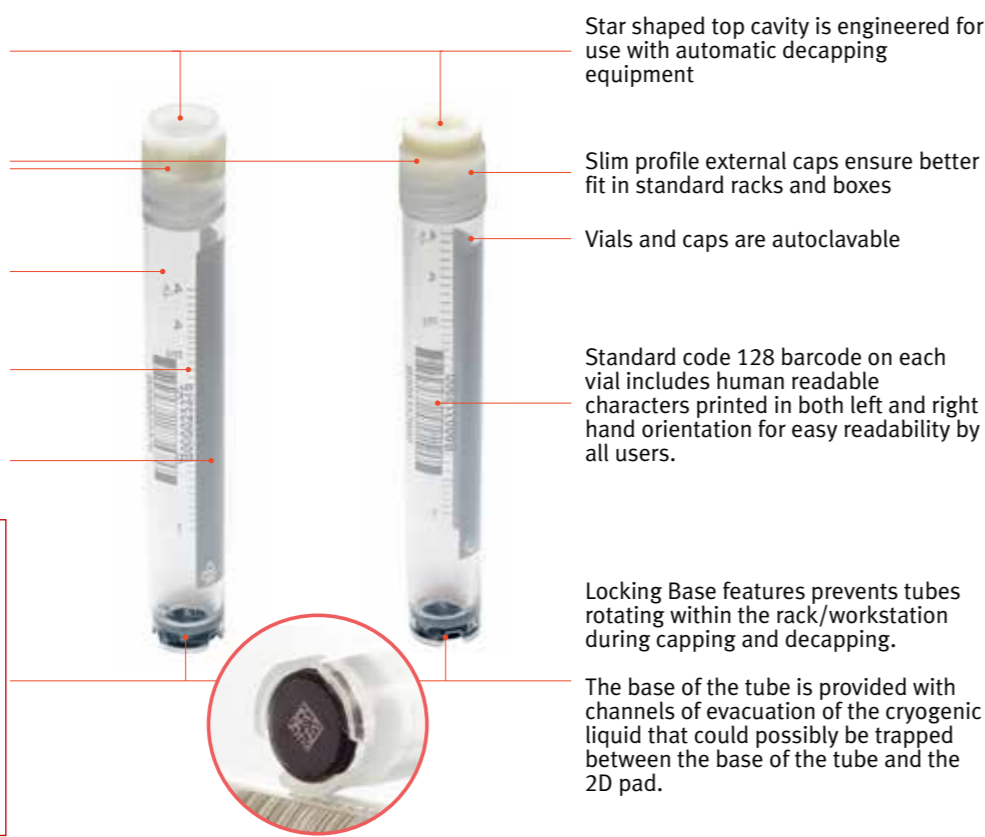
Printed graduations for accurate measurements

White writing surface for specimen identification

Datamatrix Code inserted in the bottom, sequential and corresponding to the "Code 128" on the tube body
The 2D code is automatically generated from the linear barcode during the manufacturing process
Permanent laser etching system

Strict quality control, every tube is checked to ensure they meet our exacting standards of reading

The insert is secured in place by the use of ultrasound to weld it into place



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

Slim profile external caps ensure better fit in standard racks and boxes

Vials and caps are autoclavable

Standard code 128 barcode on each vial includes human readable characters printed in both left and right hand orientation for easy readability by all users.

Locking Base features prevents tubes rotating within the rack/workstation during capping and decapping.

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

- ▶ Human DNA, DNase, RNase, Pyrogen, ATP, PCR inhibitors free certified*
- ▶ Sterile SAL 10⁻⁶ *
- ▶ CE-IVD marked *
- ▶ Certified IATA PI 650

- ▶ Manufactured in Clean Room Class 10000 ISO 7
- ▶ Working Temperature: suitable for storage from general cold storage refrigeration (+4°C) down to the vapor phase of liquid nitrogen
- ▶ Tubes in Polypropylene / Caps in Polyethylene and TPV

* Certificate of analysis, Certificate of validated Beta rays treatment and Declaration of conformity CE-IVD available for download on www.biosigma.com

CryoGen Tubes 2D Internal cap

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free



2.0 ml 5.0 ml

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL2ARBIPS2D	2.0	4.82	Self Standing	bag / 50	case / 500
CL2ARBIPS2D/B	2.0	4.82	Self Standing	bag / 50	carton / 4000
CL5ARBIPS2D	5.0	9.03	Self Standing	bag / 50	case / 500
CL5ARBIPS2D/B	5.0	9.03	Self Standing	bag / 50	carton / 2000

CryoGen Tubes 2D External cap

Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free



2.0 ml 5.0 ml

CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL2ARBEPS2D	2.0	4.56	Self Standing	bag / 50	case / 500
CL2ARBEPS2D/B	2.0	4.56	Self Standing	bag / 50	carton / 4000
CL5ARBEPS2D	5.0	8.76	Self Standing	bag / 50	case / 500
CL5ARBEPS2D/B	5.0	8.76	Self Standing	bag / 50	carton / 2000

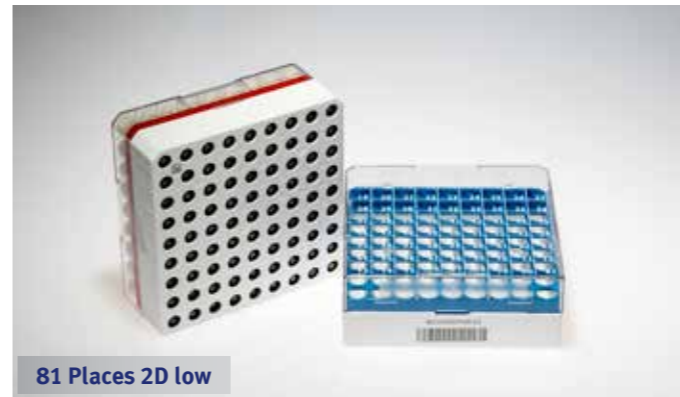
2D Cryoboxes in polycarbonate 81 and 100 places

- ▶ Automatic identification of the box and of its positioning through 2D datamatrix code, on the box bottom
- ▶ Barcode "code 128" lasered on rack side.
- ▶ Numerical grid on lid
- ▶ Frosted writing area
- ▶ Colored grid

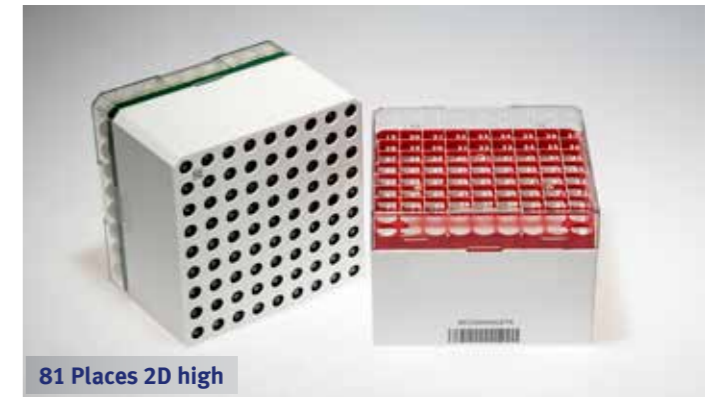
- ▶ For storing at temperatures as low as -196 °C
- ▶ Autoclavable at 121 °C for 20 minutes
- ▶ Vial Picker supplied with each inner pack
- ▶ White bottom
- ▶ In polycarbonate



CLEARLine® Accessories



81 Places 2D low



81 Places 2D high

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

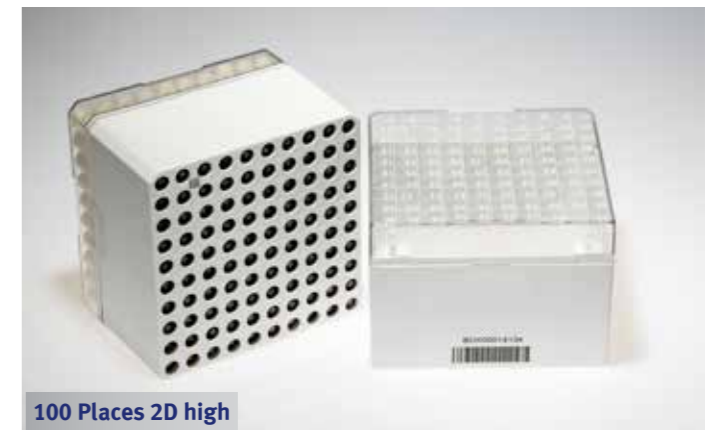
CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM580612D/AZ	light blue	132x132x52	8 packs of 5 units	case / 40
BSM580612D/RO	red	132x132x52	8 packs of 5 units	case / 40
BSM580612D/V	green	132x132x52	8 packs of 5 units	case / 40
BSM580612D/G	yellow	132x132x52	8 packs of 5 units	case / 40

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

CAT. NO.	Grid Color	Dimensions (mm)	Internal packaging	Sale unit
BSM580712D/AZ	light blue	132x132x94	8 packs of 4 units	case / 32
BSM580712D/RO	red	132x132x94	8 packs of 4 units	case / 32
BSM580712D/V	green	132x132x94	8 packs of 4 units	case / 32
BSM580712D/G	yellow	132x132x94	8 packs of 4 units	case / 32



100 Places 2D low



100 Places 2D high

CryoGen® Box 100 LOW pad printed grid lid 2D for 2 ml tubes, internal cap

CAT. NO.	Color	Dimensions (mm)	Internal packaging	Sale unit
BSM581002D/B	white	132x132x52	8 packs of 5 units	case / 40

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

CAT. NO.	Color	Dimensions (mm)	Internal packaging	Sale unit
BSM581052D/B	white	132x132x94	8 packs of 4 units	case / 32

48 Places SBS rack for 2 and 5 ml 2D CryoGen® tubes

Storage cryo rack 48 places with a footprint that corresponds to ANSI-standard

- ▶ Stackable
- ▶ Rack bottom with scanning windows for the Datamatrix of the contained cryotubes
- ▶ In Polypropylene
- ▶ Linear barcode
- ▶ Alphanumeric bottom
- ▶ Available for both 2 and 5 ml 2D CryoGen® Tubes
- ▶ Suitable for automatic capper-decapper
- ▶ Suitable for multiscanner



CLEARLine Accessories

48 Places SBS rack

CAT. NO.	Description	Sale unit
BSM58048H	Rack 48 places for 5 ml int/ext CryoGen® tubes 2D	10
BSM58048L	Rack 48 places for 2 ml int/ext CryoGen® tubes 2D	20

48 Places SBS racked tubes

CAT. NO.	Description	Tubes	Sale unit
BSM58048HI	Rack 48 places filled with 5 ml internal CryoGen® tubes 2D	5 ml	10
BSM58048HE	Rack 48 places filled with 5 ml external CryoGen® tubes 2D	5 ml	10
BSM58048LI	Rack 48 places filled with 2 ml internal CryoGen® tubes 2D	2 ml	20
BSM58048LE	Rack 48 places filled with 2 ml external CryoGen® tubes 2D	2 ml	20



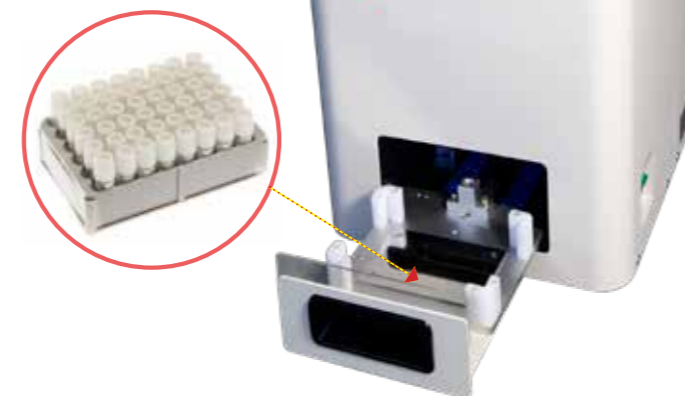
Fully automatic capper / decapper for 48 places SBS rack

The new Biosigma decapper provides a simple decapping and capping solution for CryoGen® Tubes 2D in a SBS format rack 48 places. It offers a time saving solution that reduces the risks of repetitive strain injuries and potential sample cross contamination. Decapping and capping can be performed on 2 ml CryoGen® Tubes.

- ▶ Rapid decapping and capping
- ▶ Very simple to use
- ▶ Reduce risk of cross contamination
- ▶ Reduce risk of repetitive strain injury
- ▶ Recapping process ensures that tubes are tightly capped-no loose caps after operation



CLEARLine Accessories



Simple and Direct

Rather than using messy mechanical means the decapper digitally measures the force applied to cap each tube. This means it is quieter than other 48 well decappers and also does not have clutches that can wear out.

Easy to Use

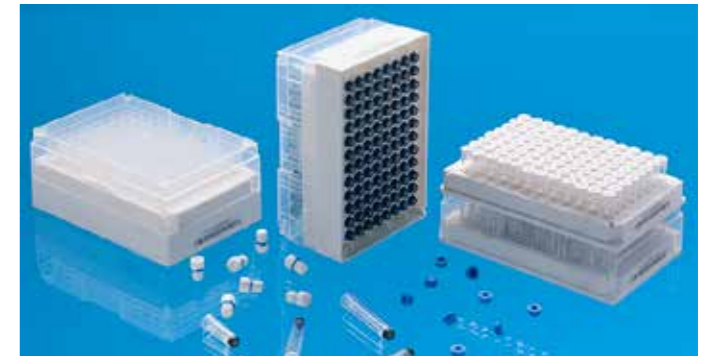
With no extra unneeded controls, there are two buttons. One to cap and one to decap; the decapper recognises when a rack has caps and illuminates the decap button and vice versa.

Capper / Decapper

CAT. NO.	Description	Sale unit
BSM58047	Fully automatic capper / decapper	1

SBS 2D Coded storage tubes 450 and 980 µl

- ▶ Made in low-retention virgin polypropylene
- ▶ Available in 450 µl and 980 µl
- ▶ In SBS racks or bulk
- ▶ With screw caps or cap mats
- ▶ Non-sterile or Sterile
- ▶ Certified human DNA, RNase, DNase and endotoxin-free
- ▶ Manufactured in Clean Room ISO 8 conditions
- ▶ Full traceability system :
 - 2D DataMatrix barcode under each tube
 - 2D DataMatrix & Standard barcode on each rack



Tubes

- ▶ In low-retention virgin polypropylene
- ▶ Natural colour, excellent transparency
- ▶ 2D DataMatrix Barcode laser engraved under each tube, readable by all scanner brands
- ▶ Skirted round bottom
- ▶ Internal thread for screw caps
- ▶ For use down to -196°C with PP screw caps, -80°C with TPE cap mats (push caps)

Racks

- ▶ Lockable lid
- ▶ Standard barcode on the side of each rack
- ▶ Corresponding 2D DataMatrix barcode under each rack
- ▶ Centre-to-centre distance between racked tubes: 9.0 mm
- ▶ International ANSI-SBS format



Rack base : 2D Datamatrix barcode under each tube and the rack

DNase RNase Human DNA



Standard barcode on the side of each rack

Non sterile Sterile Tubes in rack

CAT. NO.	CAT. NO.	Description	Sale unit
4949038	4949039	96-tube rack, 450µl, without caps	10 racks
4949040	4949041	96-tube rack, 450µl, with blue screw caps	
4949046	4949047	96-tube rack, 980µl, without caps	
4949048	4949049	96-tube rack, 980µl, with blue screw caps	
4949054	-	Empty barcoded rack for 450µl tubes	
4949055	-	Empty barcoded rack for 980µl tubes	

Non sterile Sterile Tubes in bulk

CAT. NO.	CAT. NO.	Description	Sale unit
4949042	4949043	96-tube bag, 450µl, without caps	10 bags
4949044	4949045	96-tube bag, 450µl, with blue screw caps	
4949050	4949051	96-tube bag, 980µl, without caps	
4949052	4949053	96-tube bag, 980µl, with blue screw caps	

Tube	Rack height w/o lid (mm)	Rack heightw/ lid (mm)
450 µl	33.5	36.2
980 µl	51.5	54.2

Tube	Gross volume (µl)	Working volume with screw caps (µl)	Working volume with push caps (µl)
450 µl	660	450	540
980 µl	1230	980	1070

Tube	External diameter (mm)	Tube height w/o cap (mm)	Tube height w/ screw cap (mm)	Tube height w/ cap mat (mm)
450 µl	8.4	27.0	33.4	28.0
980 µl	8.4	45.0	51.4	46.0

SBS Caps

Screw Caps

- ▶ In low-retention virgin polypropylene
- ▶ O-Ring injection molded
- ▶ Compatible for automated decapping
- ▶ For use down to -196°C (over LN2)
- ▶ Manufactured under ISO 8 Clean Room conditions
- ▶ Certified free from : human DNA, RNase, DNase & endotoxins



Cap Mats

- ▶ In thermoplastic elastomer (TPE)
- ▶ Efficient sealing of internal thread tubes
- ▶ Seal 96 tubes at once
- ▶ For use down to -80°C
- ▶ Manufactured under ISO 8 Clean Room conditions
- ▶ Free of human DNA, RNase-DNase and endotoxins



Caps

Description	White	Black	Blue	Red	Green	Yellow	Orange	Assorted	Sale unit
Screw Caps	4949056	4949057	4949058	4949059	4949060	4949061	4949062	4949063	960
Cap Mats	4949064	4949065	4949066	4949067	4949068	4949069	4949070	4949071	960

Cappers - Decappers

- ▶ For screw caps or cap mats
- ▶ Available as automatic, semi-automatic or manual device



4949033

4949035

4949034

4949036

Cappers-Decapper For Internal thread cap in PP

CAT.NO.	Model	Sale unit
4949034	Capper-Decapper semi-automatic 8 channels for screw cap	1
4949035	Capper-Decapper automatic 96 channels for screw cap	1
4949036	Capper-Decapper manual single tube for screw cap	1

Cappers-Decapper For Cap mats

CAT.NO.	Model	Sale unit
4949032	Capper-Decapper manual single tube and 8 channel for 96 cap mats	1
4949033	Capper-Decapper semi-automatic for 96 cap mats	1
4949072	Decapper manual single-tube for 96 cap mats	1

Scanners

- ▶ Scan, track and maintain your samples
- ▶ Scans 2D datamatrix tubes in SBS and cryoracks format
- ▶ Five different masks, nearly any combination of racks is possible and up to four racks can be scanned at the same time.
- ▶ Ready to use only a few minutes
- ▶ All the exported information can be integrated into systems such as: Oracle, SQL, MySQL, Postgres, HSQL and many others.
- ▶ Scanned images can also be saved
- ▶ Can also be used with our Linear Barcode Reader so the barcode on the side of the rack can be scanned as well as the 2D codes on the tubes
- ▶ DataPaq™ software displays the results of the scan
- ▶ Special coating that eliminates the condensation and ensures uninterrupted scanning.

Multiscanner

CAT. NO.	Description	Sale unit
779912	DataPaq High Speed Multiple Rack Scanner; includes one Mask from the ZTS-MXX Mask range	1
779913	DataPaq High Speed Multiple Rack Scanner with Cryoprotection; includes one Mask from the ZTS-MXX Mask range	1
779940	A4 1D Rack Scanner Mark 2	1
ZTS-1DR2-A4-BRK	Extra Bracket for A4 1D Rack Scanner Mark 2	1
779916	A4 Mask for 3 * SBS Racks	1
779917	A4 Mask for 2 * Cryoracks	1
779918	A4 Mask for 1 * SBS Rack and 1 * Cryorack	1
779919	A4 Mask for 1 * Cryorack	1
779920	A4 Mask for 4 * SBS Rack	1



Multiscanner

Single Tube Reader 1D/2D

- ▶ Features the industry's fastest 1D/2D-imaging technology for highly responsive, reliable scanning
- ▶ Unique, ergonomic styling maximizes comfort and saves countertop space
- ▶ Large LED indicator provides effective visual operational feedback
- ▶ Easy plug&play installation on your PC
- ▶ USB cable
- ▶ Available with USB cable or Wireless with charge base



CAT. NO.	Description	Sale unit
SG20THP-USB001	Scanner USB + USB cable	1
SG20BHP-USB002	Scanner wireless + base station BT + USB cable	1

Software for sample management

Samples software is an easy to use and easy to learn sample management system which allows you to track and trace where your samples and what your samples are.

- ▶ Custom tracking tag and samples research method
- ▶ Detailed location of samples: institution, building, room, freezer/incubator, shelf, box etc...
- ▶ Samples editing multiple method
- ▶ Storage of information for used samples
- ▶ Multiple users software for information sharing

Scaleable

Samples operates from one computer to an entire organisation; operating in either stand-alone mode or in client/server mode you can collaborate your sample storage from one freezer to the entire building.

Easy to Set-Up and Easy to Use

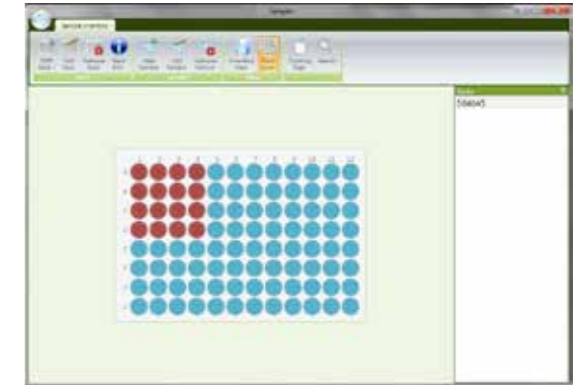
Samples is a software management tool to help keep your samples organised. Samples will streamline your workflow by providing an organised storage system to track and maintain your samples. All information you enter into Samples can be searched using the recently enhanced Samples search facility. Stored sample information can be imported or exported and shared with colleagues. Samples integrates with DataPaq™ 2D datamatrix barcode scanners, allowing for high speed scanning of sample racks and entry of the scan result into a database. The standard Samples software can be optimised to meet your exact requirements – you define the parameters used to describe your samples. And the software set up is flexible, install for one user on one computer or multiple users on a network. And all at a very affordable price.

Tracking of Samples

Once imported, further sample details can be added for each sample, including the exact storage location. During a scan, if Samples identifies a barcode that already exists in its database, it will prompt the user to verify they wish to move the sample to the new location, therefore maintaining an up-to-date location and effective sample management.

Custom Tracking Tags

Samples provides for standard storage information. However, this set of information may be inadequate for all users and customised tracking tags might be required. Clicking on "Tracking Tags" in the menu bar launches a new window where the customised tracking tags can be added. The tag can be in a variety of different formats, from date/time to numerical to simple text. Once a new Tracking Tag has been added, it will automatically appear in the "Add Sample" window for future scans.



rubber band colour change



overview



Samples software

CAT. NO.	Description	Sale unit
779944	Samples Software Fixed License (Single PC with multi-user)	1
ZTD-SPLS-FLT1	First Floating License (Server licence. Necessary for connect other clients with floating licence)	1
ZTD-SPLS-FLT	Samples Software Additional Floating License for one single clients	1



add tracking & storage info

ACCESSORIES

Writing cap disks

- ▶ 6 colours available
- ▶ In medical grade raw material
- ▶ Wide surface for easy writing
- ▶ For both internal and external cap

CLEARLine®
Accessories



Cap Disk for internal and external Cryogen Tubes screw caps.

CAT. NO.	Color	Internal packaging	Sale unit
CRY910TS/AZ	blue	1 / bag	bag / 1000
CRY910TS/RO	red	1 / bag	bag / 1000
CRY910TS/V	green	1 / bag	bag / 1000
CRY910TS/G	yellow	1 / bag	bag / 1000
CRY910TS/VI	violet	1 / bag	bag / 1000
CRY910TS/BI	white	1 / bag	bag / 1000

Cryo Markers

- ▶ 4 colours available
- ▶ Specially for writing on cryotubes, cryoboxes and supports for cryogenics
- ▶ Blue, red and black with extra-fine tip
- ▶ Green with standard tip



CAT. NO.	Description	Sale unit
028123	Pack of 4 cryo markers assorted colours (green, blue, red, black)	4
028124	Pack of 4 cryo markers black colour	4

Workstation for CryoGen® Tubes



CLEARLine®
Accessories

Workstation for CryoGen® tubes, 40 holes, in polycarbonate, available in 3 colors, autoclavable. Useful for screwing and unscrewing the tube directly on the bench with a single hand, avoiding possible contamination.

- ▶ In polycarbonate
- ▶ 40 positions
- ▶ 3 colours available



Workstation for CryoGen® tubes, 40 holes

CAT. NO.	Color	Dimensions (mm)	Sale unit
BSM5810/AZ	blue	L 21.5 P 10.0 H 2.50	units / 5
BSM5810/RO	red	L 21.5 P 10.0 H 2.50	units / 5
BSM5810/V	green	L 21.5 P 10.0 H 2.50	units / 5

Vial Picker for CryoGen® Tubes



CLEARLine®
Accessories

- ▶ For an easy vial removal after freezing
- ▶ For both internal and external cap
- ▶ Supplied with cryoboxes inner packs



CAT. NO.	Grid Color	Internal packaging	Sale unit
CRY920TS	blue	bag/100	case / 600

Cryoboxes in polypropylene

The specialty: boxes adjustable in height. The red cryo box shows the fixed position of 75 mm. The blue cryo box shows the variable lid position (rotated 90°) with the variable height from 50 mm to 75 mm.

- ▶ Polypropylene
- ▶ Dimensions: 133 x 133 mm, adjustable height: 50 mm or 75 mm
- ▶ Numerical coding
- ▶ Drain hole
- ▶ Autoclavable
- ▶ Resistant to temperatures of -90°C to +121°C
- ▶ Stackable

Variable height polypropylene Cryo Boxes

Capacity	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10
Tubes (mm)	19	17	15	13	11,5
neutral	030131	030138	750207	750214	750221
yellow	030132	030139	750208	750215	750222
red	030133	750202	750209	750216	750223
green	030134	750203	750210	750217	750224
blue	030135	750204	750211	750218	750225
black	030136	750205	750212	750219	750226
assorted	030137	750206	750213	750220	750227
Sale unit	5	5	5	5	5



Cardboard Cryoboxes

- ▶ Supplied with the divider
- ▶ Dimensions : 133 x 133 x 52 mm
- ▶ Holds 0,5/1/ 2ml microtubes and 1/2 ml ClearLine® cryotubes (81 places boxes only)
- ▶ Chemically resistant to alcohols and mild organic solvent
- ▶ Temperature range : stable from -196 to 121 °C
- ▶ Suitable for liquid nitrogen storage



CLEARLine white coated cardboard freezer boxes

CAT. NO.	Color	Lid with writing area	Height (mm)	Grid	Sale unit
010161CL	white	X	52	81	1
010162CL	white	X	52	100	1
010183CL	white		52	81	1
010184CL	white		52	100	1

- ▶ White or coloured hydrophobic cardboard
- ▶ With labelling area on the lid
- ▶ Supplied with grids
- ▶ Mixed: pink, yellow, green, blue, turquoise
- ▶ Dimensions: 133 x 133 mm



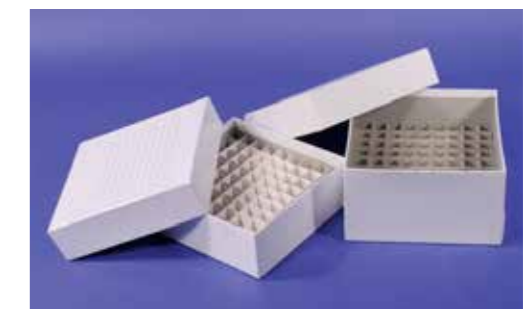
White or coloured cardboard cryoboxes with writing area

CAT. NO.	Color	Height (mm)	Grid	Sale unit
010163	white	75	81	1
010164	white	75	100	1
010179	assorted	50	81	5
010181	assorted	50	100	5

- ▶ Covered in a watertight plastic film
- ▶ Grids assembled in the box
- ▶ For freezing up to -196 °C
- ▶ Colour white
- ▶ Dimensions 133x133 (mm)

Laminated cardboard boxes

CAT. NO.	Color	Height (mm)	Grid	Sale unit
010185	white	76	81	1
010186	white	76	100	1



Support rod for canisters

- ▶ Aluminium rod designed to contain 3 to 6 cryotubes depending on their height. Length: 28 cm.



CAT. NO.	Description	Sale unit
055030	Support rod	50

Cryoflex sheath

- ▶ Sheath for cryotubes, to be soldered to avoid any liquid nitrogen accidentally getting into the tube during total immersion in liquid nitrogen, preventing tube explosion. Length: 50 cm.



CAT. NO.	Description	Sale unit
055029	Cryoflex sheath	15

Cryogenic gloves

Protect yourself from extreme temperatures. Gloves made for very high or low temperatures, with an outer layer made of nylon and an interior made of a cotton - polyester complex protected by a polyefine film.

- ▶ Soft, comfortable, warm, even after prolonged exposure to cold
- ▶ Machine washable and dryable

5 finger glove in 4 lengths:

- ▶ Wrist: 30 cm
- ▶ Mid-forearm: 38 cm
- ▶ Elbow: 50 cm
- ▶ Shoulder: 68 cm

NB: Never immerse the glove directly in nitrogen liquid.

Characteristics of the standard model:

- ▶ Freezer at very low temperatures
- ▶ Cold room
- ▶ Dry ice handling

Characteristics of the impervious model:

- ▶ Applications in a liquid nitrogen atmosphere or environment
- ▶ Coolant bars
- ▶ Cryogenic grinding



STANDARD MODEL

	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	Sale unit
5 fingers 30 cm	035501	035502	035503	035504	035517	035518	035519	035520	1
5 fingers 38 cm	035505	035506	035507	035508	035521	035522	035523	035524	1
5 fingers 50 cm	035509	035510	035511	035512	035525	035526	035527	035528	1
5 fingers 68 cm	035513	035514	035515	035516	035529	035530	035531	035532	1

IMPERVIUS MODEL

	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	Sale unit
5 fingers 30 cm	035501	035502	035503	035504	035517	035518	035519	035520	1
5 fingers 38 cm	035505	035506	035507	035508	035521	035522	035523	035524	1
5 fingers 50 cm	035509	035510	035511	035512	035525	035526	035527	035528	1
5 fingers 68 cm	035513	035514	035515	035516	035529	035530	035531	035532	1

- ▶ For use of material stored in liquid nitrogen or at low temperatures
- ▶ Very good insulation, thinner gloves offering excellent dexterity
- ▶ Synthetic fibre for improved flexibility
- ▶ Water resistant
- ▶ Coating "waterproof"
- ▶ With suspension ring
- ▶ EC marking

Cold protection gloves

	Gloves L. 37 cm	Gloves L. 50 cm	Gloves L. 60 cm	Sale unit
SMALL (S)	446658	446662	446670	1
MEDIUM (M)	446659	446663	446671	1
LARGE (L)	446660	446664	446672	1
EXTRA LARGE (XL)	446661	446665	446673	1



COOLING CONTAINERS

CoolCell containers

- ▶ CoolCell LX controlled-rate alcohol-free cell freezing container provides a highly reproducible -1°C/minute freezing rate when placed in a -80°C freezer.
- ▶ No alcohol or fluids required.
- ▶ The insulative outer housing and thermo-conductive solid state core ensure consistent heat removal to all vials throughout the freezing period.
- ▶ CoolCell containers are unbreakable, open easily when frozen, and are not cold to the touch when frozen - no "frosty" fingers.
- ▶ Numbered vial wells ensure an easy sample identification.
- ▶ Beveled junction between base and lid and exposed vial tops in the base allow for quick and safe removal of frozen vials so they can be placed into long-term storage.
- ▶ Holds 12 or 15 vials.
- ▶ Proven for use with stem cells, primary cells and cell lines.



CAT. NO.	Color	Tubes No.	Sale unit
830159	Purple	12 x 2ml	1
830105	Green	12 x 2ml	1
830106	Orange	12 x 2ml	1
830107	Pink	12 x 2ml	1
830108	Purple	15 x 5ml	1

Cryocooler

CRYOCOOLER suitable for 18 x 1-2ml tubes ø x h: 117 x 86 mm

- ▶ Container for cryopreservation and recovery, suitable for 18 x 1-2ml tubes
- ▶ Requires Isopropyl alcohol
- ▶ 1°C/min cooling rate
- ▶ ø x h: 117 x 86 mm
- ▶ Screw cap

CAT. NO.	Description	Dimensions ø x h mm	Sale unit
913081	Cryo Cooler	117 x 86	1



Freezing Rack

- ▶ Polycarbonate case filled with a non-toxic insulating gel
- ▶ To protect the reagents contained in

CAT. NO.	Body Color	Gel on the cover	Dim. (mm)	Capacity of Cryotube 1/2 ml, or Microtube 1.5/2 ml	Temperature/ Time	Sale unit
092391	Red	No	147 x 100 x 100	12	0 °C / 60 min.	1
092392	Yellow	No	147 x 100 x 100	12	-20 °C / 60 min.	1
092393	White	No	147 x 100 x 100	12	-70 °C / 45 min.	1
913077	Red	Yes	240 x 160 x 146	32	0 °C / 60 min.	1
913078	Yellow	Yes	240 x 160 x 146	32	-20 °C / 50 min.	1
913082	Yellow	Yes	240 x 160 x 146	1 PCR plate 96 tubes of 0.2 ml singles or strip	-20 °C / 60 min.	1



MICROCENTRIFUGE TUBES WITH SCREW CAPS

Biosigma's microcentrifuge tubes are manufactured from medical-grade raw material to exceed the exacting standards demanded by researchers.

- ▶ 3 styles of caps to choose from and 6 sizes of conical bottom or self-standing tubes (0.5, 1.5 and 2ml)
- ▶ Withstand high speed centrifugation up to 16,400 rpm or 25.000xg and temperatures from -85°C to +121°C
- ▶ Autoclavable to 121°C. for 20 minutes
- ▶ Tubes made in medical polypropylene and cap in medical polyethylene
- ▶ Sterile SAL 10⁻⁶
- ▶ Certified DNase/RNase/Pyrogen free to satisfy the highest demands in several biotechnological applications

** Raw materials tested in according to "the United States Pharmacopoeia" (USP) and with a "Drug Master File" (DMF) at the FDA.

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Sterile microtube: 0.5 ml, o-ring cap

CAT. NO.	Height mm ±0.34	Bottom	O-Ring	Writing area	Collar	Int. pack	Sale unit
CL604/S	47.1	conical	X			bag / 500	case / 1000
CL606/S	48.5	conical	X		X	bag / 500	case / 1000
CL614/S	47.5	self standing	X			bag / 500	case / 1000
CL616/S	49.2	self standing	X		X	bag / 500	case / 1000



Sterile microtube: 1.5 ml, o-ring cap

CAT. NO.	Height mm ±0.34	Bottom	O-Ring	Writing area	Collar	Int. pack	Sale unit
CL724/S	47.1	conical	X	X		bag / 500	case / 1000
CL726/S	48.2	conical	X	X	X	bag / 500	case / 1000
CL734/S	47.6	self standing	X	X		bag / 500	case / 1000
CL736/S	49.0	self standing	X	X	X	bag / 500	case / 1000



Sterile microtube: 2.0 ml, o-ring cap

CAT. NO.	Height mm ±0.34	Bottom	O-Ring	Writing area	Int. pack	Collar	Sale unit
CL744/S	47.2	conical	X	X	bag / 500		case / 1000
CL746/S	48.4	conical	X	X	bag / 500	X	case / 1000
CL754/S	48.6	self standing	X	X	bag / 500		case / 1000
CL756/S	49.8	self standing	X	X	bag / 500	X	case / 1000

Tube only (non sterile)

CAT. NO.	Vol. ml	Height mm ± 0.34	Bottom	Writing area	Int. pack	Sale unit
CL600	0.5	45.2	conical		bag / 1000	case / 3000
CL610	0.5	45.8	self standing		bag / 1000	case / 3000
CL720	1.5	45.2	conical	X	bag / 1000	case / 3000
CL730	1.5	45.8	self standing	X	bag / 1000	case / 3000
CL740	2.0	45.4	conical	X	bag / 1000	case / 3000
CL750	2.0	46.8	self standing	X	bag / 1000	case / 3000

Screw cap for microtube (non sterile)

Color	Flat cap + O-Ring	Cap suitable for cap disk + O-Ring	Cap suitable for cap disk with collar + O-Ring
High-mm ± 0.21	6.8	8.2	8.2
Diameter-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
Internal pack.	bag / 1000	bag / 1000	bag / 1000
External pack.	case / 3000	case / 3000	case / 3000

All microtubes can be diversified by using color code inserts, as follow:

CLEARLine®
Accessories



Cap disk

CAT. NO.	Color	Internal packaging	Sale unit
BSM910/AZ	light blue	bag / 1000	case / 1000
BSM910/RO	red	bag / 1000	case / 1000
BSM910/V	green	bag / 1000	case / 1000
BSM910/G	yellow	bag / 1000	case / 1000
BSM910/RA	pink	bag / 1000	case / 1000
BSM910/BI	white	bag / 1000	case / 1000

MICROCENTRIFUGE TUBES

For more details please visit:

<http://www.biosigma.com/microcentrifuge-tubes.html>

A wide range of microcentrifuge tubes, screw caps and snap caps made of high transparency and medical grade raw materials, with a multitude of applications like molecular biology, research and clinical chemistry. Ideal for freezer storage, boiling application, centrifugation and for most standard microcentrifuge rotors.

CLEARLock™ MICROTUBES IN PP WITH SECURE LOCKING SYSTEM

CLEARLock™

The best protection ever for your samples!

CLEARLock™ microtubes combine the security of a screw cap tube with the ease-of-use of a snap cap tube. They assure supreme protection to your samples by providing superior security during centrifugation, a precise sealing preventing evaporation, essential features during lab procedures.

CLEARLock™ microtubes have been specially studied and designed to withstand up to 30,000 xg during centrifugation without any rupture and to preserve the sample integrity.

The hinged lid prevents any unintentional opening during use especially when working with hazardous/precious samples or incubation. The precise sealing avoid also evaporation during long-term storage.

Human DNA, DNase, RNase, Pyrogen, ATP, PCR inhibitors free, each production batch is inspected and certified by an independent laboratory.



- ▶ Hinged lid prevents any unintentional opening during use
- ▶ Precise lid sealing avoids evaporation during long-term storage
- ▶ Pierceable writing cap
- ▶ Optimal transparency
- ▶ Centrifuged at: 0,5ml - 1,5ml - 2,0ml 17,500 rpm - 30,000 x g
- ▶ Temperature of use: -80°C + 100°C
- ▶ Autoclavable open at +121°C for 20 minutes
- ▶ Zip bags, re-closable
- ▶ Graduated with writing area
- ▶ Particularly suitable for application in PCR and other applications in molecular biology
- ▶ Manufactured in Clean Room Class ISO 8 (UNI EN ISO 14644-1). Class 100000 (US FED STD209E)
- ▶ Human DNA, DNase, RNase, Pyrogen, ATP, PCR inhibitors free certified*
- ▶ CE-IVD marked *

* Certificate of analysis, and Declaration of conformity CE-IVD available for download on www.biosigma.com

CLEARLock™ 0.5, 1.5, 2.0 ml microtubes in PP with secure locking system



Microtube in PP with locking system

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL05.001.0500	neutral	0.5	bag/500	500
CL15.002.0500	neutral	1.5	bag/500	1000
CL20.002.0500	neutral	2.0	bag/500	1000

Microtube in PP with locking system STERILE

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL05.050.0001S	neutral	0.5	single bag	50
CL05.005.0100S	neutral	0.5	bag/100	500
CL15.100.0001S	neutral	1.5	single bag	100
CL15.004.0050S	neutral	1.5	bag/50	200
CL20.100.0001S	neutral	2.0	single bag	100
CL20.004.0050S	neutral	2.0	bag/50	200

Microtube in PP with locking system, in bulk

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL05.010.1000B	neutral	0.5	bag/1000	10000
CL05.020.0500B	neutral	0.5	bag/500	10000
CL15.010.1000B	neutral	1.5	bag/1000	10000
CL15.020.0500B	neutral	1.5	bag/500	10000
CL20.008.1000B	neutral	2.0	bag/1000	8000
CL20.016.0500B	neutral	2.0	bag/500	8000

Microtube in PP with locking system, in bulk (not CLEARLine certified)

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
BSA05.010.1000	neutral	0.5	bag/1000	10000
BSA05.020.0500	neutral	0.5	bag/500	10000
BSA15.010.1000	neutral	1.5	bag/1000	10000
BSA15.020.0500	neutral	1.5	bag/500	10000
BSA20.008.1000	neutral	2.0	bag/1000	8000
BSA20.016.0500	neutral	2.0	bag/500	8000

CLEARLock™ 5ml microtubes in PP with secure locking system

5 ML CLEAR LOCK™ microtubes are designed for samples too large for standard microcentrifuge tubes (1.5ml or 2.0ml) but in the meantime too small for 15 ml centrifuge tube. They ensure a contamination-free pipetting and they are the best choice when working with medium-sized sample volumes. In many applications it may replace the 15 ml test tubes, reducing the waste plastic, storage space needed and transport costs.

Secure locking system with audible closing click an additional guarantee during lab procedures.

CLEARLine® guaranteed purity. Tests and certificates are performed by an external independent laboratory, available on request.

Centrifuged at: 14,200 rpm - 21,000 x g
Temperature of use: -80°C + 100°C
Autoclavable open at +121°C for 20 minutes

Same diameter and conical bottom shape as a 15 mL conical tube allow use in existing centrifuge rotors, adapter and racks.

Easy-to-open cap reduces operator's hand fatigue preserving the sample integrity.
Pierceable writing cap.

Graduated with writing area.

Made from highly transparent, chemical resistant **Medical Grade polypropylene** for easy visibility of pellets.
Non Cytotoxic
Non Hemolytic

It may be used in all applications that require heating. Use the tube clips at temperature above 80°C to prevent cap opening and consequent sample loss.

Microtube in PP with locking system

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL50.002.0100	neutral	5.0	bag/100	200

Microtube in PP with locking system STERILE

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL50.050.0001S	neutral	5.0	single bag	50
CL50.010.0020S	neutral	5.0	bag/20	200

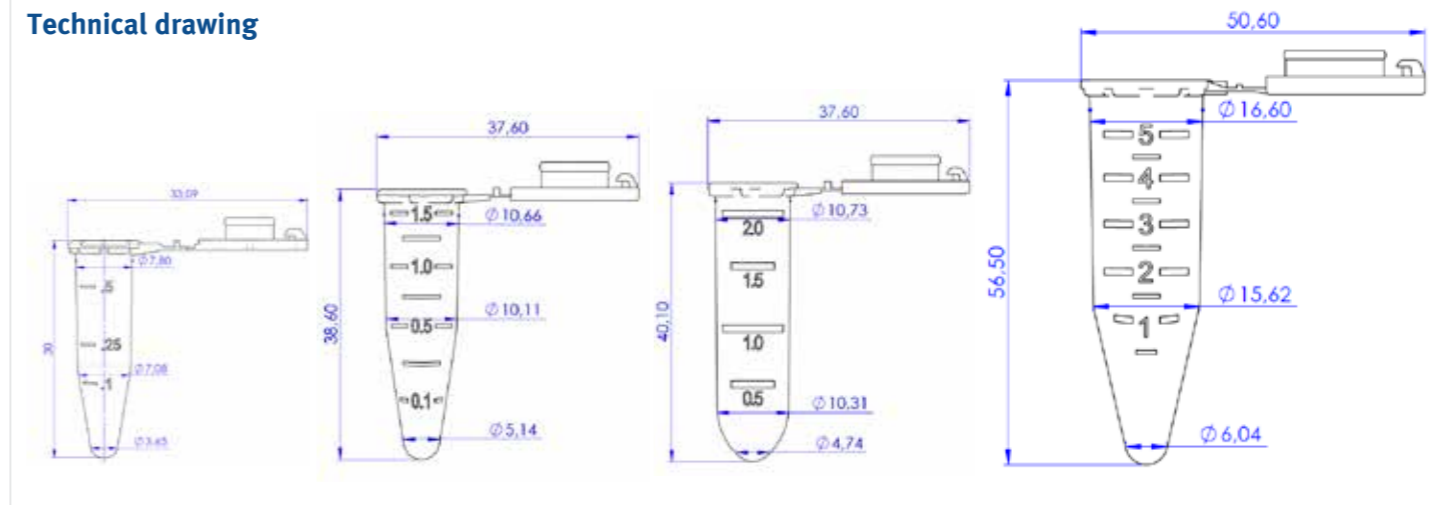
Microtube in PP with locking system, in bulk

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
CL50.006.0500B	neutral	5.0	bag/500	3000
CL50.030.0100B	neutral	5.0	bag/100	3000

Microtube in PP with locking system, in bulk (not CLEARLine certified)

CAT. NO.	Color	Volume (ml)	Internal packaging	Sale unit
BSA50.006.0500	neutral	5.0	bag/500	3000
BSA50.030.0100	neutral	5.0	bag/100	3000

Technical drawing



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5 mL CENTRIFUGE TUBES SCREW CAP

5mL tubes take all of the conveniences of standard 15mL conical tubes and scale them down for space efficiency and decreased natural resource consumption. Usable from -86°C to 110°C, these tubes are a valuable resource for boiling and for sample preservation at very low temperatures.



CAT.NO	Description	Internal packaging	Sale unit
062627	5 mL centrifuge tube - non sterile, in bulk, screw caps aside, 16x64mm	100/bag	500/case
062628	5 mL centrifuge tube - sterile, screw caps attached, 10 racks. RNase, DNase & pyrogen free	50/rack	500/case

ACCESSORIES FOR 5mL TUBES

Cryobox in polycarbonate

Polycarbonate freezer box for 5ml tubes

- ▶ Suitable for -190 °C
- ▶ 13,33 x 13,33 x 6,99 cm
- ▶ 25x5ml tubes



CAT.NO	Description	Sale unit
062629	Polycarbonate freezer box for 5ml microtubes	5

Tube clip for CLEARLock™ 5 mL microtube

Tube clip for CLEARLock™ 5ml microtube in polypropylene with secure locking system. Use the tube clip at temperature above 80 °C to prevent cap opening and consequent sample loss



CAT.NO	Description	Sale unit
933015	Tube clip for CLEARLock™ 5ml microtubes in PP with secure locking system	10

5 mL acrylic tube rack

- ▶ In crystal clear acrylic
- ▶ For 20 x 5 mL tubes
- ▶ Supported at two levels in the rack



CAT.NO	Description	Sale unit
141397	Acrylic rack for 20 x 5 mL tube	1

5ml / 15 mL tube rack

- ▶ 2 moving hinged upper shelves able to hold 5 mL or 15 mL tubes (up to 16 mm in diameter)
- ▶ Tear drop shaped openings for a better retention of tubes
- ▶ Printed grid of both sides of the upper shelves
- ▶ Dimensions : 30,9 x 10,7 x 7,7 cm
- ▶ Autoclavable at 121 °C for 15 min.



CAT.NO	Description	Color	Sale unit
320532	5ml / 15 mL tube rack, 40 wells	purple white	1
320533	5ml / 15 mL tube rack, 40 wells	green blue	1

MyFuge™ 5 microcentrifuge

The myFuge™ 5 microcentrifuge includes a four position rotor for compatibility with a variety of 5ml test tubes, including 5ml snap cap centrifuge tubes. In addition, this combination rotor has four additional slots for centrifuging standard microtubes (1.5/2.0ml). Simply close the lid and the centrifuge will quickly accelerate to reach the fixed speed of 5,500 rpm. Open the lid, and the rotor decelerates to a stop for removing samples.

The 5ml rotor position accepts 5ml centrifuge tubes (snap cap) directly. While 5ml blood and culture tubes (12x75mm) and cryovials are also accepted with the included adapters. The microtube positions are designed to accept 0.5 and 0.2ml tubes with the use of optional adapters.

- ▶ For quick spin downs of 5 mL and 1.5/2 mL tubes
- ▶ Includes adapters for 12 x 75 mm tubes
- ▶ Starts and stops with closing/opening of the lid
- ▶ Capacity : 4 x 5 mL tubes and 4 x 1.5/2 mL tubes



Microcentrifuge

CAT.NO	Description	Sale unit
062586	MyFuge 5 microcentrifuge	1

Specifications

Speed	5,500rpm
Max. RCF	2,000xg
Rotor	4 x 5ml tubes
Capacity	4 x 1.5/2.0 ml
Power	115V 50Hz or 230V, 60Hz
Dimensions [DxWxH]	14 x 20 x 14 cm
Weight	1 Kg

Adapters

CAT.NO	Description	Sale unit
062587	Adapter for 0.5 mL tubes	6
062588	Adapter for 0.2 mL tubes	6
062589	Adapter for 0.5 mL and 2 mL cryovials and 1.5 - 2 mL HPLC vials	4

ADAPTERS FOR OTHER MICROCENTRIFUGES

Adapters for 5 mL tubes

For 1 CLEARLock™ 5 mL. Usable on centrifuges with rotors for conical 15 mL tubes.



CAT.NO	Description	Sale unit
933023	For 1 CLEARLock™ 5 mL. Usable on centrifuges with rotors for conical 15 mL tubes	8

Adapters for 5 mL tubes for rotor FA-45-6-30

For 1 CLEARLock™ 5.0 mL. Usable on rotor FA-45-6-30.



CAT.NO	Description	Sale unit
933022	For 1 CLEARLock™ 5.0 mL. Usable on rotor FA-45-6-30	2

MICROCENTRIFUGE TUBES WITH SNAP CAPS

Microtubes in PP 1.5 and 2.0 ml ClearLine

CLEARLine®
"Be cool, be safe, be CLEARLine"



Microtube in polypropylene 1.5ml and 2.0ml, graduated, usable on EPPENDORF®. ClearLine

- ▶ Flat cap adapted for easy writing
- ▶ Centrifugable up to 25,000 x g
- ▶ In transparent polypropylene
- ▶ Evident graduation
- ▶ Autoclavable at 121°C (for 20 minute)
- ▶ DNase/RNase, Human DNA and Pyrogen free



Clearline packaging



Reclosable zip bag



Writing cap



Microtube in PP, 1.5 and 2.0 ml ClearLine

CAT.NO	Color	Volume (ml)	Internal packaging	Sale unit
CLo22	neutral	1.5	bag/500	case/1000
CLo269	neutral	2.0	bag/500	case/1000

Microtubes in PP 1.5 and 2.0 ml

Microtube in polypropylene 1.5ml and 2.0ml, graduated, usable on EPPENDORF®. With or without cap

- ▶ Flat cap adapted for easy writing
- ▶ Centrifugable up to 25,000 x g
- ▶ In transparent polypropylene
- ▶ Evident graduation
- ▶ Autoclavable at 121°C (for 20 minute)



Microtube in PP, 1.5 and 2.0 ml, with or without cap

CAT.NO	Color	Vol. (ml)	Dimension (cm)	with cap	Internal packaging	Sale unit
BSA021	neutral	1.5	H 4.10 Ø 1.08		bag/1000	case/10000
BSA022	neutral	1.5	H 4.10 Ø 1.08	X	bag/500	case/8000
BSA022/BLU	blue	1.5	H 4.10 Ø 1.08	X	bag/1000	case/10000
BSA022/G	yellow	1.5	H 4.10 Ø 1.08	X	bag/1000	case/10000
BSA022/RA	pink	1.5	H 4.10 Ø 1.08	X	bag/1000	case/10000
BSA022/V	green	1.5	H 4.10 Ø 1.08	X	bag/1000	case/10000
BSA0269	neutral	2.0	H 4.20 Ø 1.08	X	bag/1000	case/8000

RACKS*

4-Way Racks

Polypropylene rack autoclavable to 121°C, arranged on 4 levels

- ▶ Lowest level: 12 holes for 0.2 ml microtubes
- ▶ Second level: 14 holes for 0.5 ml microtubes
- ▶ Third level: 12 holes for 1.5 and 2 ml microtubes
- ▶ Top level: The last line of holes (top level) is also a workstation for microtubes that can be opened and closed just using one hand. Thanks to the locking system the tubes can be securely locked and do not turn

CLEARLine®
Accessories



CAT. NO.	Grid Color	Dimensions cm	Sale unit
BSM5827/AZ	light blue	L 18.5 P 12.0 H 5.50	case / 8
BSM5827/RO	red	L 18.5 P 12.0 H 5.50	case / 8
BSM5827/V	green	L 18.5 P 12.0 H 5.50	case / 8

Racks for 100 tubes

Polypropylene rack for microtube from 1.5 to 2 ml.

- ▶ Supplied Flat (to be fitted)
- ▶ Stackable
- ▶ Marking surface on both sides
- ▶ Autoclavable
- ▶ Alphanumeric printing on the tray
- ▶ Colors available: white, blue, yellow, red
- ▶ Dimensions: 110 x 263 x 45 mm



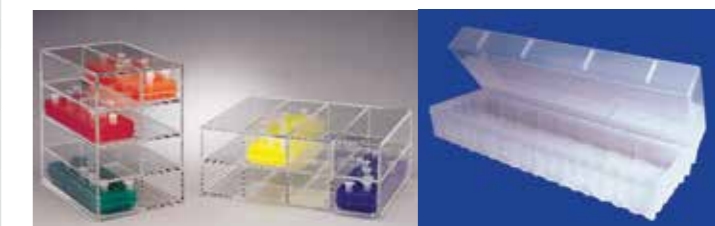
CAT. NO.	Grid Color	Dimensions cm	Sale unit
391070	white	110 x 263 x 45	1
391071	blue	110 x 263 x 45	1
391072	yellow	110 x 263 x 45	1
391073	red	110 x 263 x 45	1

Racks for 80 microtubes

Rigid rack for 80 microtubes 1.5 mL or 2 mL. L x w x h: 272 x 65 x 27 mm.

- ▶ Alphanumeric referencing
- ▶ Side handles
- ▶ Can be used from -90 °C to 121 °C (autoclavable)
- ▶ Economical
- ▶ Numerous colours
- ▶ Numerous accessories: storage box with lid, storage shelf

Rack standard colours		Rack fluorescent colours	
Color	CAT. NO.	Color	CAT. NO.
natural	840515	fluo yellow	840523
yellow	840519	fluo orange	840524
orange	840520	fluo pink	840525
red	840518	fluo blue	840526
violet	840521	fluo green	840527
blue	840516	-	-
green	840530	-	-
black	840522	-	-
assorted	840528	assorted	840529
Sale unit	5		5



Storage box

Intended for individual storage of a loaded rack. Can be stacked, guarantees protection against contamination, formation of frost. Optimizes the storage space. Translucent lid with integrated hinge. Made from autoclavable polypropylene.

CAT. NO.	Description	Sale unit
045464	Storage box for rack of 80 microtubes natural colour	1

Arylic shelves

The transparent acrylic shelves enable the racks to be stored and handled without stacking them. 12 tubes ø 25 mm

- ▶ Horizontal model: 8 cases for 8 racks; L x w x h: 300 x 230 x 115 mm.
- ▶ Vertical model: 8 cases for 8 racks; L x w x h: 153 x 230 x 220 mm.

CAT. NO.	Description	Sale unit
037579	Horizontal shelf for 8 racks of 80 microtubes	1
037580	Vertical shelf for 8 racks of 80 microtubes	1

*For other racks see "Test tubes, stoppers, racks" on page 85



CELL CULTURE

For more details please visit:

<http://www.biosigma.com/cell-culture.html>

A wide choice of cell culture ware products, spanning a variety of formats, sizes and surfaces. Our portfolio provides a range of essential cell culture consumables like as flasks, plates, centrifuge tubes to advance researchers' work with complete confidences

CELL CULTURE

CENTRIFUGE TUBES

CLEARLine® Centrifuge Tubes

CLEARLine centrifuge tubes are applicable in molecular biology as disposable laboratory consumables which are manufactured from high transparency polypropylene. Two types of volume are available to meet general need: 15 ml and 50 ml. A ring molded on inner surface of cap make an excellent seal to prevent leak of liquid. Marking area is printed in white to make tube easy for identification. Clearly graduation in black on the surface is helpful for users to calibrate. Preferably, 3 ml graduation molded on conical bottom improves the accuracy of centrifuge tube.

All CLEARLine centrifuge tubes are packaged in bags or racks sterile, RNase-free, DNase-free and Non-pyrogenic.

- ▶ 15ml and 50ml volume
- ▶ High transparency polypropylene
- ▶ Molded ring in the cap inner surface grants an excellent seal to prevent leak of liquid
- ▶ White writing area for easy identification
- ▶ Black graduation
- ▶ Conical and self-standing bottom
- ▶ Can be centrifuged up to 14,800 x g for 50 ml and 10,280 x g for 15 ml centrifuge tubes
- ▶ Sterilised at gamma rays SAL 10⁶
- ▶ RNase-free, DNase-free and Non-pyrogenic
- ▶ Autoclavable at 121 °C during 20 min.

CLEARLine®
"Be cool, be safe, be CLEARLine"



Packaging information:

- ▶ Lot number is printed on packaging for tracking
- ▶ Heat-sealed bag, reusable zip bag
- ▶ PS rack, heat shrinking pack



CL482
15 ml



CL474
50 ml



CL477
50 ml



CL475
50 ml

CLEARLine Centrifuge tube-15-50 ml

CAT. NO.	Vol. (ml)	Dimensions (mm)	Centrifugation speed	Bottom style	Raw Material	Rack	Certifications	Inner Bag	Sale unit
CL474	50	116 x 28	12000 r/min; 14800 x g	Conical	polypropylene		RNase-free DNase-free Non-pyrogenic Sterile	25	500
CL475	50	116 x 28	12000 r/min; 14800 x g	Conical		X		25	500
CL477	50	118 x 28	12000 r/min; 14800 x g	Self standing				25	500
CL482	15	120 x 16	10000 r/min; 10280 x g	Conical				25	500
CL490	15	120 x 16	10000 r/min; 10280 x g	Conical		X	50	500	

Conical centrifuge tubes - large volume

- ▶ Sterile
- ▶ Integrated leak-proof cap
- ▶ Suitable from: - 80 to 120°C
- ▶ Conical bottom
- ▶ Volume: 225 ml
- ▶ Dimensions Ø x H: 60.2 x 137.5 mm



CAT. NO.	Description	Sale unit
978253	Centrifuge tube with conical bottom 225 ml	case / 48

EASYstrainer sterile cell strainers

- ▶ Available in three sizes: 40, 70 and 100 µm
- ▶ Fit all standard 50 ml tubes
- ▶ Secure aseptic handling thanks to the small lateral handle and plastic envelope
- ▶ Venting slot between the tube and the filter: prevents liquid being trapped or leaks
- ▶ Single packed in blister packs



CAT. NO.	Color	Sterile	Description	Sale unit
542040	green	Yes	EASYstrainer sterile cell strainer - mesh 40 µm	50
542070	blue	Yes	EASYstrainer sterile cell strainer - mesh 70 µm	50
542000	yellow	Yes	EASYstrainer sterile cell strainer - mesh 100 µm	50

CELL CULTURE FLASKS

- ▶ With vented screw cap
- ▶ Virgin polystyrene flask
- ▶ Easy to read volume scale
- ▶ Easy to stack
- ▶ Packaged in "peel-off" bags
- ▶ Treated for cell cultures
- ▶ Sterilized by gamma irradiation
- ▶ Certified as being RNase and DNase free
- ▶ Certified as having an endotoxin level of < 0.5 EU/ml
- ▶ Certificates available upon request
- ▶ Batch number and expiry date printed on every flask
- ▶ Model with filter cap: hydrophobic membrane prevents passage of bacteria, spores and particles larger than 0.2 µm



CAT. NO.	Volume (ml)	Surface (cm ²)	Cap Style	Sterile	Units / Bag	Sale unit
131000C	50	25	vented	X	10	case / 200
131002C	250	75	vented	X	5	case / 100
131004C	600	175	vented	X	5	case / 40
131006C	50	25	filter	X	10	case / 200
131008C	250	75	filter	X	5	case / 100

Cell culture flasks treated for a good cell adhesion and particularly suited to the culture of adherent cells.

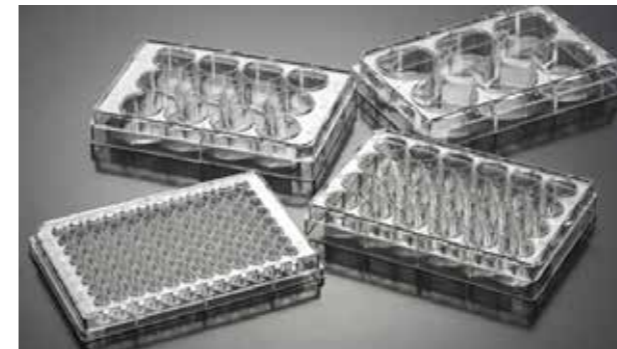
- ▶ Polystyrene flasks for single use
- ▶ Three culture surface areas: 25, 75 and 182 cm²
- ▶ Comes treated for the culture of adherent cells
- ▶ Flasks equipped with stacking rims
- ▶ Angled neck
- ▶ DNA, DNase, RNase, Pyrogen and Cytotoxine free
- ▶ Sterile



CAT. NO.	Surface (cm ²)	Cap Style	Sterile	Units / Bag	Sale unit
690160	25	standard	X	10	case / 200
690170	25	squared	X	5	case / 100
690175	25	filter	X	5	case / 200
658170	75	standard	X	10	case / 200
658175	75	filter	X	5	case / 100
660160	182 Low	standard	X	-	case / 50
660175	182 Low	filter	X	-	case / 50
661160	182 High	standard	X	-	case / 40
661175	182 High	filter	X	-	case / 40

MULTIWELL CELL CULTURE PLATES

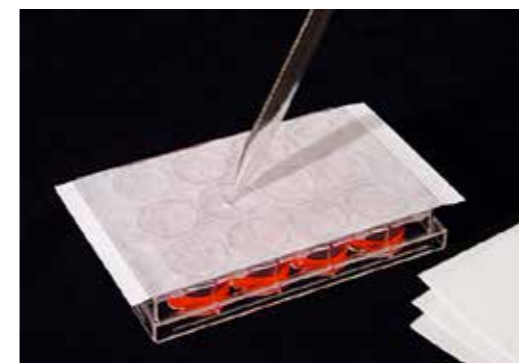
- ▶ Special design to promote gas exchange
- ▶ Medical grade crystal polystyrene
- ▶ Treated for cell cultures
- ▶ Lid, large and deep spacing between the wells to prevent cross-contamination
- ▶ Serration areas on the sides ensure the user to always grips both the plate and lid
- ▶ Cut corner
- ▶ Identification alpha numeric of each well
- ▶ Single packed "peel-off"
- ▶ Sterilised by gamma irradiation
- ▶ Certified RNase, DNase free
- ▶ Certified an endotoxin level of < 0.5 EU/ml
- ▶ Certificates available on request



CAT. NO.	Surface (cm ²)	Bottom	Max. well volume (ml)	Wells	Packaging
131028C	9.6	Flat	17	6	case / 100
131024C	3.85	Flat	6.8	12	case / 100
131020C	1.93	Flat	3.5	24	case / 100
131019C	0.84	Flat	1.55	48	case / 100
131012C	0.33	Flat	0.39	96	case / 100

AERASEAL POROUS FILM

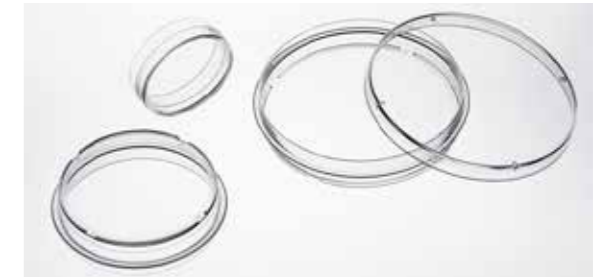
- ▶ Hydrophobic porous film with a thickness of 114 µm
- ▶ Medical grade adhesive
- ▶ Designed for deepwells with 96 wells and micropates for cultures or bacteriology
- ▶ Reduced risk of cross-contamination and evaporation
- ▶ Promotes uniform gas exchange in all wells
- ▶ Dimensions: 82.6 x 142.9 mm
- ▶ Non-cytotoxic
- ▶ Extremely gas permeable
- ▶ Can be easily pierced with a pipette tip to collect samples
- ▶ Can be used from -20°C to +80°C



CAT. NO.	Description	Sale unit
760214	AeraSeal Adhesive film	case / 100
760215	Sterile AeraSeal Adhesive film	case / 50

CLEARLINE PETRI DISHES

- ▶ Packaged in "peel-off" bags
- ▶ Sterilised by gamma irradiation
- ▶ Certified RNase and DNase free
- ▶ Certified an endotoxin level of < 0.5 EU/ml
- ▶ Certificates available on request



CAT. NO.	Surface (cm ²)	Diameter	Sale unit
131046C	8.5	35	case / 960
131048C	21.2	60	case / 600
131050C	60.8	100	case / 300
131052C	143	150	case / 120

CELL SCRAPERS

Sterile cell scraper for cell culture.

- ▶ Polyethylene
- ▶ Individually packaged
- ▶ Sterilised by gamma irradiation
- ▶ Pivoting polyethylene blade



CAT. NO.	Length	Sale unit
010153	180 mm	case / 100
010154	250 mm	case / 100

THINSEAL & SEALPLATE STERILE FILM

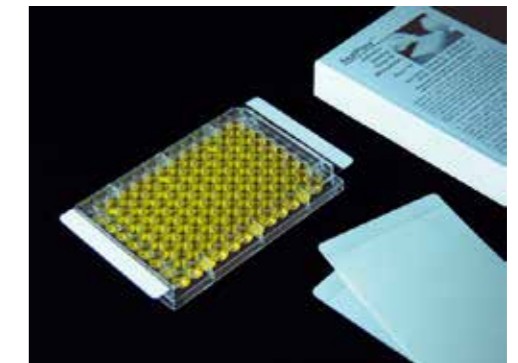
Sterile film for multiwell culture plates.

ThinSeal characteristics:

- ▶ Thickness of 25 µm
- ▶ Can be easily pierced with a pipette tip
- ▶ Dimensions: 79.4 x 141 mm

SealPlate characteristics:

- ▶ 50 µm polyester film
- ▶ Seals the plates hermetically
- ▶ Avoids rim effects
- ▶ The sterile version can be used for multiwell culture plates
- ▶ Film dimensions: 79.4 x 146 mm



CAT. NO.	Description	Sale unit
760201	Sterile SealPlate Adhesive film - 50µm	case / 100
760205	Sterile ThinSeal Adhesive film - 25µm	case / 100



PCR AND PLATES

For more details please visit:
<http://www.biosigma.com/pcr-and-plates.html>

PCR AND PLATES

PCR MICROTUBES

PCR microtubes 0.2 ml Multi

- ▶ Microtube with domed or flat cap
- ▶ Thin wall for optimal and uniform heat transfer
- ▶ Pure polypropylene, very transparent
- ▶ Certified RNase and DNase free
- ▶ Suitable for all thermal cyclers

DNase
RNase



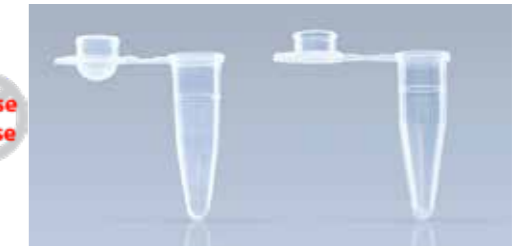
PCR microtube 0.2 ml Multi

CAT. NO.	Volume	Cap	Internal packaging	Sale unit
023190	0.2	domed	500	5000
023190A	0.2	domed	500	500
016950	0.2	flat	1000	10000
016950A	0.2	flat	1000	1000

Individual PCR tubes 0.2 ml

- ▶ 0.2 ml PCR tube with flat or domed cap attached
- ▶ Excellent transparency and wall thinness
- ▶ RNase and DNase free

DNase
RNase



Individual PCR tube 0.2 ml

CAT. NO.	Volume	Cap	Sale unit
010159	0.2	domed	1000
010207	0.2	flat	1000

PCR microtubes ABgene

- ▶ Thin walls for optimal and uniform heat transfer
- ▶ Pure polypropylene
- ▶ Certified human DNA, DNase and RNase free

- ▶ With domed or flat cap
- ▶ Highly transparent
- ▶ Secure closing system

DNase
RNase

Human
DNA



PCR microtube 0.2 and 0.5 ml with domed cap

CAT. NO.	Volume	Cap	Sale unit
016131	0.2	domed	1000
016147	0.5	domed	1000

PCR microtube 0.2 and 0.5 ml with flat cap

CAT. NO.	Volume	Cap	Sale unit
016139	0.2	flat	1000
016155	0.5	flat	1000

PCR microtubes - 0.65ml Multi

- ▶ Thin wall
- ▶ Useful volume: 0.5 ml
- ▶ Total volume: 0.65ml
- ▶ DNA, DNase, RNase, Pyrogen, PCR inhibitor free

DNase
RNase

Human
DNA

PCR
Inhibitors

Pyrogen



PCR Microtube:0.65 ml Multi

CAT.NO.	Volume	Sale unit
015160A	PCR Microtube: 0.65 ml Multi	1000

Safeseal microtubes - 0.65 ml

- ▶ Graduated with writable surface
- ▶ Guaranteed RNase & DNase free
- ▶ Centrifuged up to 26000g
- ▶ Autoclavable and freezable to resist from -80 °C to +121°C
- ▶ The AvantGuard microtubes are packed in bags and then in thin wall carton boxes
- ▶ Useful volume: 0.5 ml
- ▶ Total volume: 0.65 ml

DNase
RNase



Microtube: 0.65 ml

CAT.NO.	Volume	Sale unit
017030A	Safeseal microtubes - 0.65 ml, natural color	1000
017030	Safeseal microtubes - 0.65 ml, natural color	20000

PCR MICROTUBES IN STRIP

PCR Microtubes 0.2 ml in strip Multi

- ▶ Extra thin wall in strips of 8
- ▶ Volume: 200 µl
- ▶ Easy to cut into individual tubes
- ▶ Numerical labelling on each tube
- ▶ RNase, DNase free



Microtube 0.2 ml strip Multi

CAT. NO.	Volume	Cap	Color	Sterile	Internal packaging	Sale unit
116380	0.2	domed	natural		250	2000
116280	0.2	domed	natural	X	120	960
138790	0.2	w/out	natural		250	2000

Cap in strip of 8 Multi

CAT. NO.	Volume	Cap	Color	Optical	Internal packaging	Sale unit
038780	0.2	domed	natural		250	2000
037990	0.2	flat	natural	X	250	2000

ABgene® single cap microtubes in strips

In strips of 8 microtubes with individual caps for reducing the risk of cross contamination. Available in 3 versions including 2 for PCR: ultra transparent caps supplied with two types of tubes, white or natural colored.

- ▶ Detachable single tube
- ▶ Thin wall
- ▶ In virgin polypropylene
- ▶ Certified as free from DNase, RNase, human DNA and endotoxins



ABgene® single cap microtubes in strips

CAT.NO.	Volume	Sale unit
017261	Strips of 8 microtubes natural + individual caps ultra-clear	250
017262	Strip of 8 with microtubs + ultra- clear single caps	250
017263	Strips of 8 microtubes natural + individual domed caps	250

Thermo-strip standard tubes

Microtube in strips of 8 or 12 for all makes of thermal cyclers. "Low Profile" to reduce dead volume and to remove condensation on the walls and thus limiting water evaporation. Very effective for small volumes less than 20 µl.

- ▶ Detachable single tube



Strip of 8

Description	Microtubes Standard	Microtubes Low profile
Strip of 8 microtubes natural + domed cap	016000	016303
Strip of 8 microtubes mixed colours + cap	016000F	-
Strips of 8 microtubes natural colour + flat cap	016561	-
Strips of 8 Low Profile microtubes - colour : assorted blue + flat caps	017867	-
8 microtubes for quantitative PCR + caps	-	016562
Strip of 8 microtubes without cap	016001	016164
Internal packaging	250 x 8	12 x 8
Sale unit	250 x 8	120 x 8

Strip of 12

Description	Microtubes Standard	Microtubes Low profile
Strip of 12 microtubes + domed cap	016512	-
Strip of 12 microtubes + flat cap	016513	016518
Strip of 12 microtubes natural without cap	016511	-
Internal packaging	80 x 12	80 x 12
Sale unit	80 x 12	80 x 12

PCR Microtubes 0.2 ml in strip with cap

- ▶ 8- tube strip and 8-cap strip domed or flat
- ▶ Excellent transparency and wall thinness
- ▶ RNase and DNase free
- ▶ Can be centrifuged at 6000 g
- ▶ Can be used from -20°C to 100°C
- ▶ Thin wall to facilitate heat transfer



PCR tube 0.2 ml strip

CAT. NO.	Volume	Cap	Color	Internal packaging	Sale unit
010158	0.2	domed	natural	125	1000
010208	0.2	flat	natural	125	1000

PCR MULTI-MICROTUBE RACKS

It is possible to fix rack B for 96 microtubes of 0.2 ml onto rack A; it clips into the place intended for the individual 0.2 ml microtubes.

Rack A characteristics:

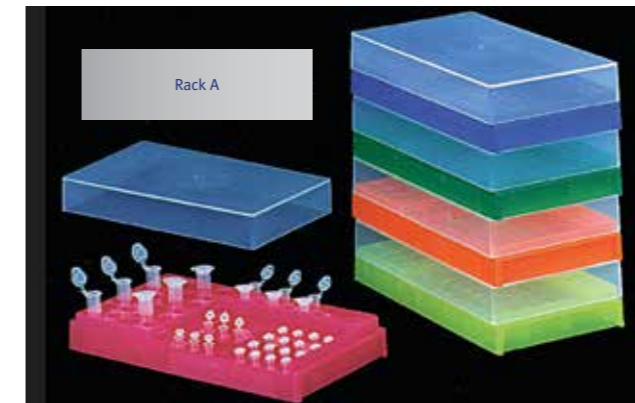
- ▶ Translucent lid included
- ▶ Choice of bright colours
- ▶ Stackable
- ▶ Alphanumeric index

Rack B characteristics:

- ▶ Microplate format
- ▶ With lid
- ▶ Can be used on its own or can be clipped onto rack A
- ▶ L x w x h: 126 x 86 x 33mm with lid, 126 x 86 x 11 mm without lid

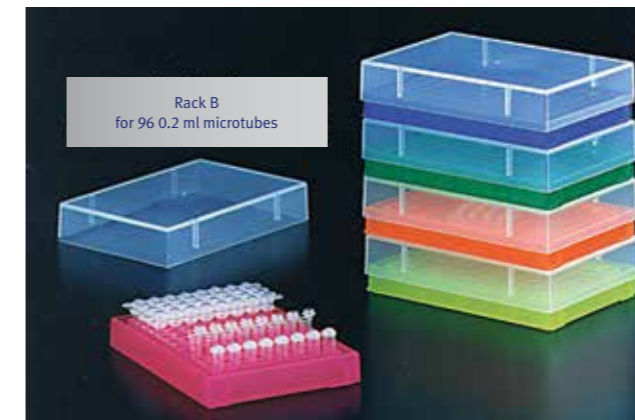
Rack A capacity:

- ▶ 32 individual PCR microtubes - 0.2 ml
- ▶ 16 microtubes - 0.5 ml
- ▶ 24 microtubes - 1.5 ml or 2 ml



A: rack with lid for storage on one single side

CAT. NO.	Type	Color	Sale unit
045465		blue	1
045466		green	1
045467	for storage of PCR microtubes - 0.2 ml - 0.5 - 1.5 - 2 ml	orange	1
045468		pink	1
045469		yellow	1
045470		assorted	5



B: rack for 96 PCR microtubes - 0.2 ml

CAT. NO.	Type	Color	Sale unit
045471		blue	1
045472		green	1
045473	for storage of 96 PCR microtubes - 0.2 ml	orange	1
045474		pink	1
045475		yellow	1
045476		assorted	5

STACKABLE RACK FOR PCR

Coloured polypropylene rack with transparent lid for 96 PCR tubes 0.2 ml or 1 PCR plate (with or without skirt).

Dimensions:

138 x 98 x 39 mm with lid;
138 x 98 x 30 mm without lid.

- ▶ Stackable with or without lid
- ▶ Self-locking lid
- ▶ 4 feet
- ▶ Accepts non-skirted, skirted or semi-skirted PCR plates, individual tubes or in strips of 8 or 12



CAT. NO.	Description	Sale unit
045546	Set of 5 racks various colours (blue, yellow, red, green, purple) with lid	1

STORAGE BOX WITH RACK FOR PCR

Stackable system, for freezing at -80 °C.

Cryobox characteristics:

- ▶ Autoclavable polypropylene made
- ▶ With hinged lid
- ▶ Dimensions: 143 x 143 x 59 mm
- ▶ Closing tab

Rack characteristics:

- ▶ Autoclavable polypropylene made
- ▶ Detachable
- ▶ For 96 PCR microtubes of 0.2 ml - in strips, plates or individually + 8 microtubes of 0.5 ml + 16 microtubes of 1.5/2 ml



CAT. NO.	Description	Sale unit
038787	PCR storage box with rack	1

PLATES

PCR Plates with 96 wells for different thermal cycler types

- ▶ Thin polypropylene wall
- ▶ Available skirted, semi-skirted and non-skirted model
- ▶ DNA/DNase/RNase/PCR inhibitors and pyrogens free
- ▶ Black alphanumeric printing cut corner to facilitate plate orientation



PCR plate: 96 wells, semi-skirted



CAT. NO.	Color	Internal packaging	Sale unit
035800	natural	25	25
035900	natural	4 x 25	100



PCR plate: 96 wells, non-skirted



CAT. NO.	Color	Internal packaging	Sale unit
021970	natural	25	25
026190	natural	4 x 25	100



PCR plate: 96 wells, skirted



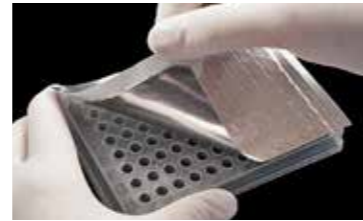
CAT. NO.	Color	Internal packaging	Sale unit
023080	natural	25	25
02844	natural	4 x 25	100

ADHESIVE FILMS

Adhesive film for PCR plate

ThermoQuick polycarbonate plates designed for PCR. The polycarbonate is characterised by an excellent resistance to high temperatures (to avoid any risk of plate deformation during the amplification cycle), and by its neutrality in relation to reagents and enzymes used.

- ▶ Excellent quick stick
- ▶ Good adhesion to a variety of polymers
- ▶ Performs over a wide temperature range (-15°C to +70°C)



CAT. NO.	Material	Use Temperature	Dimensions (mm)	Sale unit
106524	plastic	-15 °C to +70 °C	117 x 78	100
106524AL	aluminium	-30 °C to +150 °C	117 x 78	100

AlumaSeal film roll

- ▶ 38 µm thick piercable film with 38 µm adhesive
- ▶ Aluminium sheet for delayed evaporation of samples
- ▶ Use temperature: -80°C to + 120°C
- ▶ One roll for 830 plates
- ▶ Non-sterile
- ▶ Dim.: 80 mm x 100 m
- ▶ Bag supply
- ▶ DMSO Resistant
- ▶ Free from nucleases, nucleic acids and pyrogens
- ▶ Recommended for PCR, HTS and cold storage
- ▶ Easy piercing



CAT. NO.	Description	Sale unit
765248	Roll film AlumaSeal non-sterile, 80 mm x 100 m	1 roll

AeraSeal film roll

- ▶ Porous and hydrophobic rayon film 114 µm
- ▶ With medical grade adhesive for cell cultures and 96-well plates used for bacterial culture
- ▶ Reduces evaporation and cross-contamination
- ▶ Improved and standardised gas exchange for all wells
- ▶ Temperature for use: -20°C to + 80°C
- ▶ One roll for 830 plates
- ▶ Easy piercing



CAT. NO.	Description	Sale unit
765247	AeraSeal film Roll- non-sterile, 81 mm x 100m	1 roll

PCR PLATES FASTPLATE MµLTI

Plate characteristics:

- ▶ 96-well plates with printed marking
- ▶ Specially designed for the thermal cyclers ABI 9800 and 7500 FAST
- ▶ Low profile, very clear
- ▶ Can also be used with most thermal cyclers

Reactive characteristics:

- ▶ "Inferno Master Mix" specially designed for the specific protocols of the ABI 9800
- ▶ The kit includes 2 Master Mix flasks (each 1250 µl) that enable 250 reactions to be carried out
- ▶ The formula combines a Taq and a mix of buffers



PCR plates Fastplate Multi

CAT. NO.	Description	Internal packaging	Sale unit
138800	PCR plate 96 wells FastPlate for ABI Mµlulti	25 plates	1
138900	PCR plate 96 wells FastPlate for ABI Mµlulti	4 x 25 plates	1
011670	Inferno Master Mix	2 x 1250 µl	1

SEMI-SKIRTED 96-WELL PCR PLATES, MµLTI REINFORCED DECK

Thin-wall 96-well plate, for all types of thermal cyclers.

- ▶ Alphanumeric well indexing printed in black
- ▶ Certified DNase, RNase, human DNA and pyrogen-free



Plates

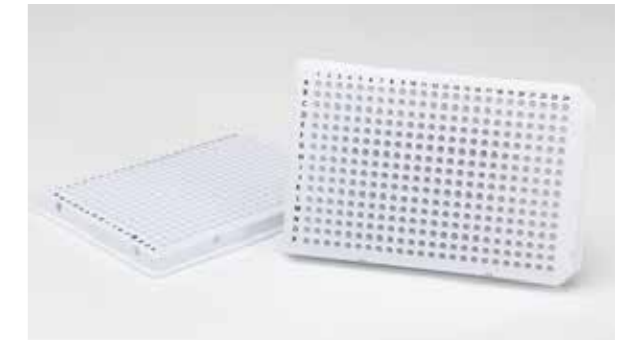
CAT. NO.	Description	Internal packaging	Sale unit
174370	Semi-skirted 96-well PCR plates, reinforced deck	4 Bags of 25	100

Accessories

CAT. NO.	Description	Sale unit
490010	Septa mat for ABI 3100	10
712201	Septa mat silicone for ABI 3100	50
136590	Adhesive film for QPCR plate	100

PCR PLATES 96 AND 384 WELLS FOR LIGHT CYCLER®

- ▶ White colour
- ▶ Polypropylene
- ▶ Specially intended for the Light Cycler® Roche® thermal cycler
- ▶ RNase and DNase free
- ▶ Only to be used with sealing film reference 136590



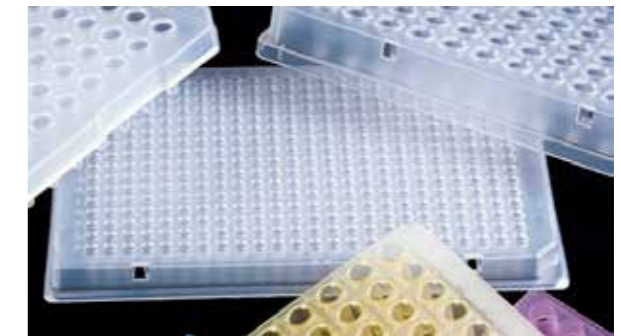
PCR plates 96 and 384 wells for Light Cycler®

CAT. NO.	Description	Sale unit
138870	PCR plate 96 wells for Light Cycler	100
138820	PCR plate 384 wells for Light Cycler	100
136590	Adhesive film for QPCR plate	100

PCR PLATES 384 WELLS µLTRA-PLATE MµLTI

Rigid polypropylene plate with 384 wells for PCR.

- ▶ Total volume of each well: 40 µl
- ▶ Working volume of each well: 25 µl
- ▶ Can be autoclaved
- ▶ Certified as free from DNase and RNase



PCR plates 384 wells ultra-Plate Multi

CAT. NO.	Description	Sale unit
039620	PCR plate 384 wells ultra-Plate natural colour Mµlulti	50



LIQUID HANDLING

For more details please visit:

<http://www.biosigma.com/liquid-handling.html>

ASPIRATION SYSTEM FOR SEROLOGICAL PIPETTES

- ▶ A full volume range: from 0.1 to 100 ml pipettes
- ▶ One-hand-use
- ▶ Lightweight, ergonomic design, fatigue-free pipetting
- ▶ Automatic adjustment of aspiration and dispenser speeds
- ▶ Lithium battery
- ▶ Low battery indication
- ▶ Aspires 50 ml in 5 seconds
- ▶ Large LCD display which provides visual confirmation of remaining battery charge and aspiration speed
- ▶ Fully autoclavable
- ▶ 0.45µm filter included

CLEARLine®
Accessories

Technical specifications BS400200

Aspiration speed	25 <5s (8shift)
Dispensing speed	Motor 8 speed + Gravity Dispense
Battery	Lithium
Battery life	8 Hours of discontinuous use
Charging time	Approx. 2-3 Hours
Pipettes types	Glass or plastic pipettes (0.1 - 100ml) or Pasteur pipettes
Filter	0.45µm hydrophobic
Weight	200g

Automatic pipettor

CAT. NO.	Description	Sale unit
BS400200	BiPette automatic pipette filler	1
BS400201	0.45µm filter replacement for BS400200	1

- ▶ Comfortable and easy to use
- ▶ Precise pipetting control
- ▶ Robust and light
- ▶ Easy to maintain
- ▶ Suitable for volumetric and graduated pipettes, glass or plastic made, from 0.1 to 100 ml
- ▶ Replaceable spare 3 µm filter
- ▶ 4 colours

Manual pipettor

CAT. NO.	Description	Colour	Sale unit
861000	Manual pipettor	blue	1
861001	Manual pipettor	red	1
861002	Manual pipettor	green	1
861003	Manual pipettor	yellow	1
861005	Spare filter 3 µm		1



BS400201

BS400200



861000

LIQUID HANDLING

CLEARLine® SEROLOGICAL PIPETTES

Serological pipette of 1 ml, 2 ml, 5 ml, 10 ml, 25 ml, 50 ml and 100 ml designed to be used with electromotion pipette controller and manual pipette pump to transfer liquid in various volume for laboratory use.

- ▶ Seven types of volume 1, 2, 5, 10, 25, 50 and 100 ml
- ▶ Bidirectional graduation and negative graduation improve the accuracy
- ▶ Color code on tips make pipettes easily recognizable
- ▶ Sterile at gamma rays 10⁻⁶
- ▶ Packaged in bags
- ▶ Bulk packaging and individually packaging in plastic/paper wrapper
- ▶ RNase-free, DNase-free and Non-pyrogenic
- ▶ Graduation calibrated, certificate available on request

Packaging information

- ▶ Lot number printed on packaging for tracking
- ▶ Plastic/paper wrapper easy to open

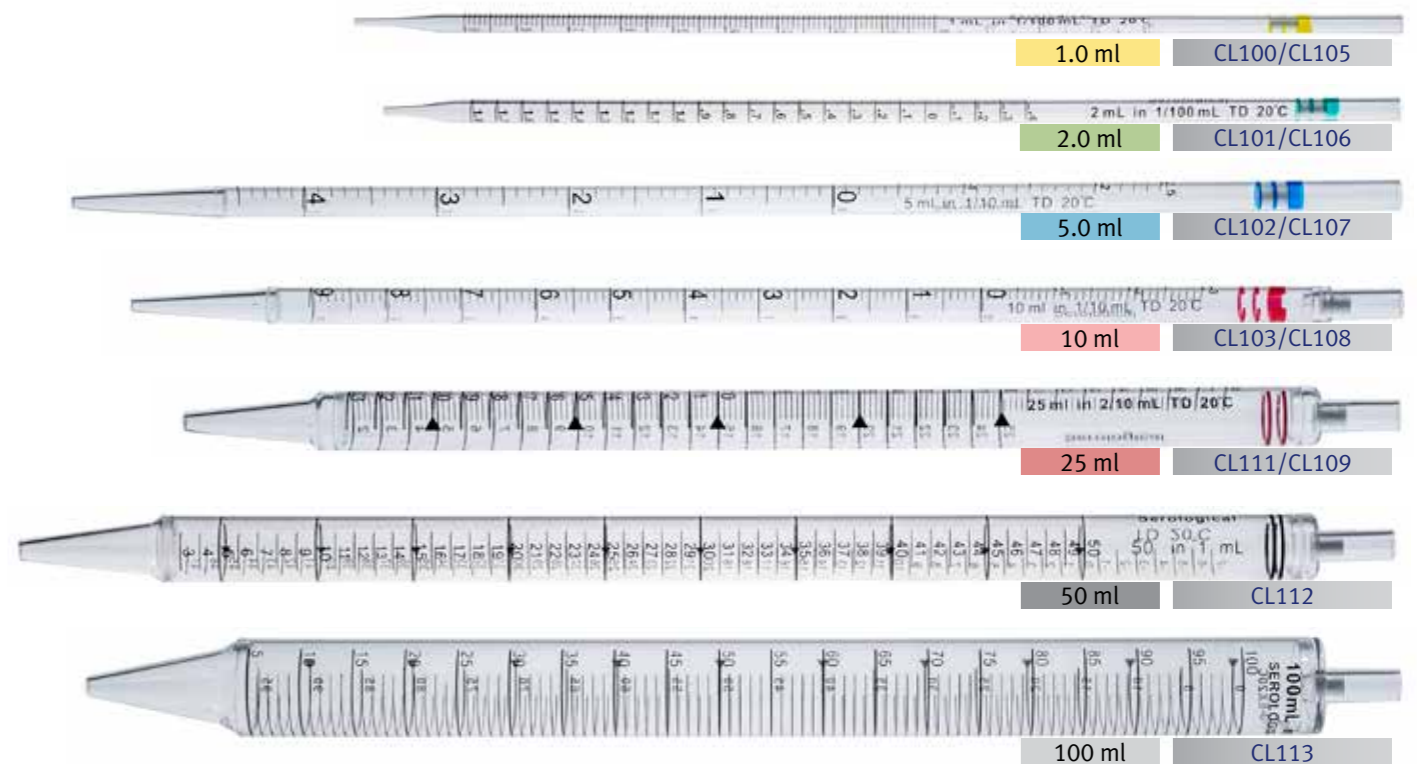


CLEARLine®
"Be cool, be safe, be CLEARLine"

DNase
RNase

Pyrogen

Gamma Rays Sterile
SAL 10⁻⁶
EN ISO 11137



Sterile individually wrapped

CAT. NO.	Volume (ml)	Graduation (mm)	Internal Packaging	Sale unit
CL100	1	1/100	100	1000
CL101	2	1/100	100	800
CL102	5	1/10	50	300
CL103	10	1/10	50	200
CL111	25	2/10	50	200
CL112	50	1	25	100
CL113	100	1	50	50

Sterile in bags

CAT. NO.	Volume (ml)	Graduation (mm)	Internal packaging	Sale unit
CL105	1	1/100	25	1000
CL106	2	1/100	25	800
CL107	5	1/10	25	500
CL108	10	1/10	25	350
CL109	25	2/10	25	350



Color code on tips make pipettes easily recognizable

MANUAL MICROPIPETTES WITH EJECTORS FULLY AUTOCLAVABLE



Tip cone
High chemical-resistance materials to secure long lifetime

- FEATURES**
- ▶ Fully autoclavable
 - ▶ Slim design and light in weight, less risk if strain injuries.
 - ▶ Compatible with most universal tip brands
 - ▶ Excellent grip
 - ▶ User friendly
 - ▶ Large display window allows for easier volume identification
 - ▶ Ejector button on the back for easy identification
 - ▶ Pipettes cover volume range from 0.1µL to 5mL
 - ▶ Easy calibration and maintenance
 - ▶ Each pipette is supplied with an individual calibration certificate according to ISO8655 performed in factory
 - ▶ CE marked as in vitro diagnostic device according to Directive 98/79/EC

for compatibility with tips see pages 51 and 53

Fix volume			Adjustable volume		
CAT. NO.	Volume (µl)	Sale unit	CAT. NO.	Volume (µl)	Sale unit
ABS119HPA	5	1	ABS1261HPA	0.1 - 2.5	1
ABS120HPA	10	1	ABS126HPA	0.5 - 10	1
ABS121HPA	20	1	ABS128HPA	2 - 20	1
ABS1210HPA	25	1	ABS129HPA	5 - 50	1
ABS122HPA	50	1	ABS1290HPA	10 - 100	1
ABS123HPA	100	1	ABS131HPA	20 - 200	1
ABS124HPA	200	1	ABS1310HPA	50 - 200	1
ABS1240HPA	250	1	ABS1311HPA	100 - 1000	1
ABS1241HPA	500	1	ABS132HPA	200 - 1000	1
ABS125HPA	1000	1	ABS127HPA	1000 - 5000	1



- FEATURES**
- ▶ Fully autoclavable
 - ▶ 8 channel pipette are appropriate for 96-well plates
 - ▶ Dispensing head rotates for effortless pipetting convenience
 - ▶ Individual piston and tip cone assemblies allowing easy repair and maintenance
 - ▶ Compound material-made tip cone secures high sealing performance
 - ▶ Compatible with most universal tip brands

Multichannel 8 channel

CAT. NO.	Volume (µl)	CompatibleTip	Sale unit
ABS133HPA	5 - 50	BSR066	1
ABS135HPA	50 - 300	BSR074	1
ABS136HPA	0.5 - 10	BSR064	1

Fully autoclavable

The MicroPette Plus pipettes are fully Autoclavable enable easy cleaning to reduce the risk of contamination. Steam autoclaving can be performed at 121 °C, 1 bar for 20 minutes. After autoclaving the pipette must be cooled down and left to dry for 12 hours before use. It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.



Rack

CAT. NO.	Description	Sale unit
861006	Pipettor stands in ABS for major pipettor brands.	1



STERILE PS REAGENT RESERVOIRS IN 25, 50, 100 ml

- ▶ In medical polystyrene
- ▶ Available Sterile and not
- ▶ Made in clean room
- ▶ Human DNA, RNase, DNase, non pyrogenic free
- ▶ Sterile SAL 10⁻⁶
- ▶ Angles with deposit system
- ▶ Graduated (volume accuracy +/- 5 %)
- ▶ V bottom to maximize the samples' rescue



Standard reservoir in white polystyrene

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

3 channel reservoirs in white polystyrene

Volume (ml)	Sterile bag / 1	Sale unit	Sterile bag / 5	Sale unit
25	087804	100	087805	200

STANDARD TIPS

Several tip models utilizable with the most important pipette brands of the market. Available in bulk and rack both. Made of Polypropylene Autoclavable racks



Example of tips bag



Example of tips in rack 0 - 200 µl



Example of tips in rack 200 - 1000 µl



Example of tips in blister of 5 pcs

Tip: EPPENDORF® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR062	0-10	neutral		Bag 1000 pcs	25000	Eppendorf® Cristal
	BSR063			Rack 96 pcs	9600		
	BSR0625			Blister 5 pcs	1000	Eppendorf® - Gilson® - Socorex® - HTI® - Nichiryo®	
	BSR001	0-200	yellow		Bag 1000 pcs	25000	Eppendorf® - Brand® - Socorex®
	BSR041			Rack 96 pcs	9600		
	BSR011			Blister 5 pcs	2000	Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labssystem® - Excalibur® - HTL® - FinnpiPETTE®	
	BSR002	200-1000	blue		Bag 500 pcs	10000	Eppendorf® - Socorex® - HTL® - Nichiryo®
	BSR042		light blue	Rack 96 pcs	9600		
	BSR012	100-1000	blue	X	Blister 5 pcs	1000	Eppendorf® - Gilson® - Socorex® - Nichiryo® - Pipetman® - Brand® - Clinipette® - Biohit® - Labssystem® - Excalibur® - HTL® - FinnpiPETTE®
	BSR080	1000-5000	neutral		case 250 pcs	2000	Eppendorf® - Socorex® - Biohit® - Oxford® - Acura®

Tip: GILSON® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR064	0.1-10	neutral		Bag 1000 pcs	10000	Gilson® - Eppendorf® - Socorex® - Nichiryo® - Jencons® - Biohit® Old Model - Elakay® - HTL® - FinnpiPETTE®
	BSR076			Rack 96 pcs	960		
	BSR066	0-200	yellow		Bag 1000 pcs	25000	Gilson®
	BSR0665	5-200	yellow	X	Blister 5 pcs	1000	
	BSR067	100-1000	blue		Bag 1000 pcs	10000	Gilson® - Eppendorf® - Socorex® - HTL® - Nichiryo®
	BSR075			Rack 96 pcs	960		

Tip: MLA® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR008	10-200	neutral		Bag 1000 pcs	12000	Mla® - Oxford®
	BSR018			X	Blister 5 pcs	2000	
	BSR048/N			Rack 192 pcs	960		
	BSR009	100-1000	neutral		Bag 1000 pcs	10000	Mla® - FinnpiPETTE® Colour model
	BSR019			X	Blister 5 pcs	500	
	BSR049/N			Rack 192 pcs	960		

Tip: Oxford® type

Photo	CAT. NO.	Volume (µl)	Color	Sterile	Internal packaging	Sale unit	Compatibility
	BSR004	5-200	neutral		Bag 1000 pcs	10000	Oxford® slim line - Diamed®
	BSR014			X	Blister 5 pcs	500	
	BSR003	10-200	neutral		Bag 1000 pcs	22000	Oxford® - FinnpiPETTE®
	BSR013			X	Blister 5 pcs	1500	
	BSR007			Bag 1000 pcs	10000		
	BSR017	101-1000	blue	X	Blister 5 pcs	500	Oxford®

Standard Tips compatibility with HPpette

Match the right tip to each HPpette

STANDARD TIPS	Micropipettes	Micropipettes Single channel															Multichannel 8 channel								
		Adjustable volume										Fix volume													
		ABS1261HPA 0.1-2.5µl	ABS126HPA 0.5-10µl	ABS128HPA 2-20µl	ABS129HPA 5-50µl	ABS1290HPA 10-100µl	ABS131HPA 20-200µl	ABS1310HPA 50-200µl	ABS1311HPA 100-1000µl	ABS132HPA 200-1000µl	ABS127HPA 1000-5000µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 µl	ABS1240HPA 250 µl	ABS1241HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl	
BSR062	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	0-200 µl yellow				X	X	X	X	X					X	X	X	X	X							
BSR041	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	0.1-10 µl neutral	X	X										X	X									X		
BSR076	0.1-10 µl neutral in rack 96 pcs	X	X										X	X									X		
BSR066	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	200-1000 µl blue											X	X					X	X	X					
BSR042	200-1000 µl light blue											X	X					X	X	X					
BSR012	100-1000 µl blue																	X	X	X					
BSR074	2-300 µl neutral in rack 96 pcs																							X	
BSR067	100-1000 µl blue											X	X						X	X	X				
BSR075	100-1000 µl blue											X	X						X	X	X				
BSR080	1000-5000 µl neutral											X													
BSR008	10-200 µl neutral				X	X	X	X	X					X	X	X	X	X							
BSR018	10-200 µl neutral				X	X	X	X	X					X	X	X	X	X							
BSR048/N	10-200 µl neutral				X	X	X	X	X					X	X	X	X	X							
BSR009	100-1000 µl neutral																								
BSR019	100-1000 µl neutral																								
BSR049/N	250-1000 µl neutral																								
BSR004	5-200 µl neutral																								
BSR014	5-200 µl neutral																								
BSR003	10-200 µl neutral																								
BSR013	10-200 µl neutral																								
BSR007	101-1000 µl neutral																								
BSR017	101-1000 µl neutral																								

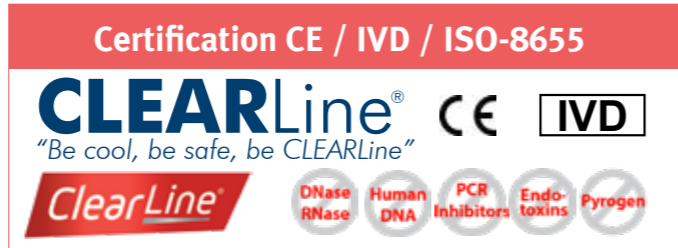
CLEARLine® STERILE FILTER TIPS, RACKED, IN LIFT-OFF LID BOXES

Your solution for liquid samples.

- ▶ Filtered tip, in natural polypropylene, racked, available in lift-off lid boxes
- ▶ Certified DNase, RNase-free, human DNA, PCR inhibitors and Pyrogen free
- ▶ Sterile
- ▶ CE marking : conforms to the necessary Health & Safety regulations as set by European Directives
- ▶ IVD certification: All ClearLine® tips have been registered as In Vitro Diagnostic Devices and comply with the 98/79/ EC Directive
- ▶ The ISO 8655 norm, as established by an independent laboratory, guarantees that the ClearLine® tips do not alter the pipette's technical specifications as set by their manufacturer - Visit www.dutscher.com/clearline to view the tips' compatibility test results with your pipettes.
- ▶ Autoclavable at 121°C
- ▶ Supplied in a rack with non removable lid, for under hood use

Available:

- ▶ In standard virgin polypropylene
- ▶ In low Binding: the tip, hydrophobic PP made, reduces the surface tension with two benefits: a maximal sample refund and a minimal retention of DNA and proteins (weakest retention respect to the standard one)



Model	Volume (µl)	Features	Compatibility	Standard		Low Binding	
				CAT. NO.	Sale unit	CAT. NO.	Sale unit
Microguard 10G	0.1-10 µl	Small volume Tips (28.8 mm)	Gilson P2-P10, Finnpiette 2-10 µl Biohit 2.5-10 µl	028200CL	10x96	035200CL	10x96
MicroReach Guard	0.1-10 µl	Universal Long (45 mm)	Gilson P2-P10 Eppendorf 10 µl Finnpiette 2-10 µl Biohit 2.5-10 µl	038000CL	10x96	038000TCL	10x96
Microguard 10XL	0.1-10 µl	Universal Long (45 mm)	Gilson P2-P10 Eppendorf 2.5 µl - 10 µl Finnpiette 2-10 µl Biohit 2.5-10 µl	130340CL	10x96	-	-
Multiguard 10E	0.5-10 µl	Crystal Long tips (45.5 mm)	Eppendorf 10 µl Socorex 10 µl	015020CL	10x96	035210CL	10x96
Multiguard 20 µl	1-20 µl	Universal (50.7 mm)	Gilson P20 Eppendorf 20 µl Finnpiette 10-20 µl Socorex 20 µl	014210CL	10x96	035220CL	10x96
Multiguard 100 µl	1-100 µl	Universal (50.7 mm)	Gilson P100 Biohit 50-100 µl Eppendorf 100 µl Finnpiette 50-100 µl Socorex 100 µl	036060CL	10x96	036060TCL	10x96
Multiguard 200 µl	1-200 µl	Universal (50.7 mm)	Gilson P200 Eppendorf 200 µl Finnpiette 200 µl Socorex 200 µl	014220CL	10x96	035230CL	10x96
MultiGuard3 and 200 µl	1-2 µl 1-100 µl 1-200 µl	Long Tips (78.0 mm)	Gilson P20 - P100 - P200 Biohit 50-100 µl Eppendorf 20-100-200 µl Finnpiette 10-20-50-100-200 µl	017370CL	10x96	035240CL	10x96
Multiguard 300 XT	1-300 µl	Long Tips (78.0 mm)	Gilson P200 Biohit 250 µl Eppendorf 200 µl Finnpiette 200 µl	130510CL	10x96	130510TCL	10x96
Multiguard 1000 µl	100-1000 µl	Universal (71.8 mm)	Gilson P1000 Eppendorf 1000 µl Finnpiette 1000 µl Biohit 1000 µl Socorex 1000 µl	014200CL	10x100	035260CL	10x100
Multiguard 1250 µl	50-1250 µl	Long Tips (102 mm)	for pipettes 1000 µl	134000CL	8x96	-	-

Non-filter tips, racked, lift-off lid

Volume (µL)	Description	Compatibility	Qty	Standard tips		Low-binding tips	
				Non-sterile	Sterile	Non-sterile	Sterile
0.1 - 10	45 mm long, fine tip	Universal	10 x 96	030560ACL	030570ACL	-	-
0.1 - 10	45 mm long tip	Universal	10 x 96	037640CL	037660CL	037640TCL	037660TCL
1 - 200	Universal tip, natural colour - length 50.7 mm	Universal	10 x 96	032230CL	032250CL	-	035100ACL
1 - 200	Universal graduated tip, yellow - length 50.7 mm	Universal	10 x 96	032240CL	032260CL	-	-
100 - 1000	Universal tip, blue - length 72.8 mm	Universal	10 x 100	027110CL	027120CL	-	-
50 - 1250	102 mm long tip	Universal	8 x 96	134750CL*	134760CL*	-	-

* Supplied in a rack with hinged lid

CLEARLine® Tips compatibility with HPpette

Match the right tip to each HPpette

Tips	Micropipettes	Micropipettes Single channel																Multichannel 8 channel						
		Adjustable volume								Fix volume														
		ABS1261HPA 0.1-2.5µl	ABS126HPA 0.5-10µl	ABS128HPA 2-20µl	ABS129HPA 5-50µl	ABS1290HPA 10-100µl	ABS131HPA 20-200µl	ABS1310HPA 50-200µl	ABS1311HPA 100-1000µl	ABS132HPA 200-1000µl	ABS119HPA 5 µl	ABS120HPA 10 µl	ABS1210HPA 20 µl	ABS122HPA 25 µl	ABS123HPA 50 µl	ABS124HPA 100 µl	ABS1240HPA 200 µl	ABS1240HPA 250 µl	ABS1241HPA 500 µl	ABS125HPA 1000 µl	ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl	
028200CL 035200CL	0.1 - 10 µl Gilson-type short tip (length 28.8mm)	X	X								X	X										X		
038000CL 038000TCL	0.1 - 10 µl long tip (length 45mm)	X	X								X	X										X		
130340CL	0.1 - 10 µl long fine tip (length 45mm)	X	X								X	X										X		
015020CL 035210CL	0.5 - 10 µl Eppendorf-type short tip (length 45.5mm)	X	X								X	X												
014210L 035220CL	0.2 - 20 µl universal tip			X								X												
036060CL 036060TCL	1 - 100 µl universal tip			X	X	X						X	X	X	X									
014220CL 035230CL	1 - 200 µl universal tip					X	X	X						X	X	X								
017370CL 035240CL	Long tip for 20, 100 or 200 µl pipettes			X	X	X	X	X					X	X	X	X	X						X	
130510CL 130510TCL	1 - 300 µl long tip (length 78mm)			X	X	X	X	X					X	X	X	X	X						X	
014200CL 035260CL	100 - 1000 µl long tip (length 102mm)								X	X							X	X	X					
134000CL	50 - 1250 µl long tip (length 102mm)								X	X							X	X	X					
030560ACL 030570ACL	0.1 - 10 µl long fine tip (length 45mm)	X	X									X	X										X	
037640CL 037660CL 037640TCL	0.1 - 10 µl long tip (length 45mm)	X	X									X	X										X	
032230CL 032250CL 035100ACL	1 - 200 µl universal natural tip			X	X	X	X	X					X	X	X	X	X						X	
032240CL 032260CL	1 - 200 µl universal yellow tip			X	X	X	X	X					X	X	X	X	X						X	
027110CL 027120CL	10 - 1000 µl universal blue tip								X	X							X	X	X					
134750CL 134760CL	50 - 1250 µl long tip								X	X							X	X	X					

CLEARLine® FILTER AND STANDARD TIPS, HINGED LID RACK

Tips

CLEARLine® filter tips, racked, hinged lid

- ▶ Sterile filter tips
- ▶ Low-binding filter tips : maximal sample recovery for increased precision
- ▶ Universal compatibility



Certification CE / IVD / ISO-8655

CLEARLine®
"Be cool, be safe, be CLEARLine"

ClearLine®

DNase RNase Human DNA PCR Inhibitors Endo-toxins Pyrogen

CE IVD

Eco-friendly System!

Combine ClearLine® filter and non-filter tips to reduce waste:
Hinged lid boxes are also compatible with ClearLine® reload rack

GO GREEN

Photo	Sterile filter tips Low Binding		Sterile tips without filter		Volume (µl)	Tray Color	Description	Int. pack.	Sale unit
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.					
	713130	713135	713135	713135	10	red	10 µl graduated tip Length: 31.24 mm	10 x 96	960
	713114	713136	713136	713136	10	red	10 µl graduated long tip Length: 45.87 mm	10 x 96	960
	713115	-	-	-	20	yellow	20 µl graduated tip Length: 50.75 mm	10 x 96	960
	713116	-	-	-	100	yellow	100 µl graduated tip Length: 59.54 mm	10 x 96	960
	713117	713137	713137	713137	200	yellow	200 µl graduated tip Length: 59.54 mm	10 x 96	960
	713131	713138	713138	713138	300	green	300 µl graduated tip Length: 59.54 mm	10 x 96	960
	713118	713139	713139	713139	1000	blue	1000 µl graduated tip Length: 81.78 mm	8 x 96	768
	713119	713140	713140	713140	1250	blue	1250 µl graduated tip Length: 98.40 mm	8 x 96	768

NB: Picture are not in scale

CLEARLine® reload system



Reload tips system ClearLine® with hinger-lid rack
Empty box are sold separately

- CLEARLine® reload system
- ▶ Quick, simple reload system
 - ▶ Standard non-filter tips, non-sterile, compatible with most pipette brands
 - ▶ Eco-friendly: cardboard packaging (reduces plastic waste)
 - ▶ Space saving: requires 57% less space than other reload systems
 - ▶ The non-filter tip racks from the reload system are compatible with the ClearLine® hinged lid boxes for filter tips (this system is a great way of easily reducing plastic waste)

Certification CE / IVD / ISO-8655

CLEARLine®
"Be cool, be safe, be CLEARLine"

ClearLine®

DNase RNase Human DNA PCR Inhibitors Endo-toxins Pyrogen

CE IVD

Photo	Recharge standard		Recharge Low binding		Volume (µl)	Tray Color	Description	Int. pack.	Sale unit
	CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.					
	713128	713151	713151	713151	10	red	10 µl graduated tip Length: 31.24 mm	10 x 96	960
	713110	713147	713147	713147	10	red	10 µl graduated long tip Length: 45.84 mm	10 x 96	960
	713111	713148	713148	713148	200	yellow	200 µl graduated tip Length: 50.75 mm	10 x 96	960
	713129	713162	713162	713162	300	green	300 µl graduated tip Length: 59.54 mm	10 x 96	960
	713112	713149	713149	713149	1000	blue	1000 µl graduated tip Length: 81.78 mm	8 x 96	768
	713113	713150	713150	713150	1250	blue	1250 µl graduated tip Length: 98.40 mm	8 x 96	768

NB: Picture are not in scale

Empty boxes for CLEARLine® reload system

CAT. NO.	Description	Internal packaging	Sale unit
713120	Empty boxes for Clearline® 10-200 µL racked tips	10	10
713121	Empty boxes for Clearline® 1000-1250 µL racked tips	8	8

Eco-friendly System!

Combine ClearLine® filter and non-filter tips to reduce waste:
Hinged lid boxes are also compatible with ClearLine® reload rack

GO GREEN



ONE TOUCH® BI-COMPONENT TIPS

The One Touch tip from Multi represents a major innovation in the field of liquid sample handling. Revolutionary packaging, the cardboard rack E.DEK: limit your plastic waste! Thanks to the implementation of the two components, the pressure required for the installation of the One Touch tips on the pipette is a lot lower than when using traditional tips. It is therefore possible to pack One Touch tips in cardboard racks without them being crushed during handling. Insert the pipette into the tip (or the multichannel pipette into the row of 8 or 12 tips). A small amount of pressure is enough to install the tip with perfect impermeability. This unique, ecological presentation limits plastic waste and helps to protect the environment.

- ▶ Innovative production process: bi-component tip
- ▶ Tip's body in virgin polypropylene
- ▶ Upper part in flexible elastomer
- ▶ Optimally suited for most pipettes
- ▶ Optimal water resistance and accuracy
- ▶ A little pressure needed for the tip inclusion and ejection
- ▶ Greatly reduce the muscle fatigue of the operator
- ▶ Can be used in plastic racks or in cardboard E-DEK- bio-degradable racks
- ▶ Guarantee an optimal load in terms of use with multichannel pipettes
- ▶ Cardboard rack particularly resistant to prevent use crush
- ▶ The OneTouch racked without filter tip are autoclavable
- ▶ A revolutionary packaging: E.DEK cardboard rack to reduce quantity of plastic waste



Tip	Rack in Plastic		Rack in Carton E.DEK	
	CAT. NO.	Units / Case	CAT. NO.	Units / Case
10/20 µl non sterile	010300	10 x 96	-	-
10/20µl sterile	010310	10 x 96	010390	50 x 96
300 µl non sterile	010330	10 x 96	-	-
300 µl sterile	010340	10 x 96	010410	50 x 96
1000 µl non sterile	010360	8 x 96	-	-
1000 µl sterile	010370	8 x 96	-	-

Tip with filter	Rack in Plastic		Rack in Carton E.DEK	
	CAT. NO.	Units / Case	CAT. NO.	Units / Case
10/20 µl with filter, sterile	010320	10 x 96	010400	10 x 96
100 µl with filter, sterile	010510	10 x 96	-	-
300 µl with filter, sterile	010350	10 x 96	010420	10 x 96
1000 µl with filter, sterile	010380	8 x 96	010460 010450	8 x 96 12 x 64

PASTEUR PIPETTES

Single use transfer pipettes suitable for the vast majority of liquid handling in the laboratory. The integrated bulb contributes to a greater user safety. Our pipettes meet the requirements of routine work and those of more specific ones both.

- ▶ Graduated
- ▶ Flexible and non toxic polyethylene
- ▶ Available sterile and non
- ▶ Sterile, single packed or peel pack / 5 pcs
- ▶ Non toxic polyethylene



P.S. Volumes are only indicative. These devices have no primary-function of analytic measuring

Pasteur pipette: non sterile

CAT. NO.	BSV180	BSV136	BSV134	BSV143	BSV140	BSV150
Description	Pasteur Pipette 10 ml	3 ml Graduated	1 ml Graduated	For M-T Kit	For Fast Read kit	For Card Test
Length mm	160	160	160	148	125	70
Graduation ml	-	0.5	0.25	-	-	-
Bulb draw ml	1	3.5	3.5	1	1	1
Drop vol. µl	50	40	40	40	40	40
Internal packaging	6 dispenser of 250 pcs	6 dispenser of 500 pcs	6 dispenser of 500 pcs	6 bags of 500 pcs	6 bags of 1000 pcs	1 bags of 10000
Sale unit	case / 1500	case / 3000	case / 3000	case / 3000	case / 6000	case / 10000

Pasteur pipette: sterile, 1 and 3 ml

CAT. NO.	BSV135	BSV1351	BSV137	BSV1371
Description	1 ml Graduated	1 ml Graduated	3 ml Graduated	3 ml Graduated
Length mm	160	160	160	160
Graduation ml	0.25	0.25	0.5	0.5
Bulb draw ml	3.5	3.5	3.5	3.5
Internal packaging	peel pack of 5 pcs	individual peel pack	peel pack of 5 pcs	individual peel pack
Sale unit	case / 1000	case / 1000	case / 1000	case / 1000



Multi SORENSON ONE TOUCH PIPETTES

Precision micropipette, with a shock absorption system on the piston and a double volume adjustment.

- ▶ Less effort to load and eject tips
- ▶ Volume adjustable with one hand
- ▶ Fully autoclavable
- ▶ The One Touch Pipette is the ideal pipette for the One Touch Multi tips, but also perfectly suitable to any other tip brands



CAT. NO.	Description	Sale unit.
112740	One Touch pipette- single channel, 0.5 - 10 µl Multi	1
112750	One Touch pipette- single channel, 2 - 20 µl Multi	1
112760	One Touch pipette- single channel, 2 - 20 µl long ejector Multi	1
112770	One Touch pipette- single channel, 10 - 100 µl Multi	1
112780	One Touch pipette- single channel, 20 - 200 µl Multi	1
112790	One Touch pipette- single channel, 100 - 1000 µl Multi	1



INSTRUMENTATION PRODUCTS

For more details please visit:

<http://www.biosigma.com/instrumentation-products.html>

Biosigma is a world leader manufacturer of optical multisample cuvettes and cups utilizable in the most common clinical chemistry analyzers like as Hitachi, Cobas, Axsym, Express 500 and plus and others.

Made of high quality and transparency raw material, they are appositely studied to resist to washing solutions.

Our internal laboratory provides to test the cuvettes during production with the relevant chemistry analyzers.

INSTRUMENTATION PRODUCTS

CUVETTES AND CUPS UTILIZABLE ON COBAS®

Cuvettes in methacrylate, 12-cell available, single packed for handling and loading or in rack of 15 pcs for automatic loading



Microtube in PE utilizable on Cobas®

CAT. NO.	Color	Internal packaging	Sale unit
BSA024	neutral	bag / 500	case / 10000
BSA024/BLU	blue	bag / 1000	case / 12000
BSA024/G	yellow	bag / 1000	case / 12000
BSA024/RA	pink	bag / 1000	case / 12000
BSA024/V	green	bag / 1000	case / 12000

Cuvette

CAT. NO.	Internal packaging	Sale unit
BSA84	Single packed / 50	500
BSA85	30 racks of 15 pcs	450

Cobas® and Integra® are registered trade marks by ROCHE DIAGNOSTICS

CUVETTES AND CUPS UTILIZABLE ON HITACHI®

HITACHI® is a registered trade mark by HITACHI JAPAN



Cuvette utilizable on HITACHI® 902 in bionex

CAT. NO.	Internal packaging	Sale unit
BSA094	6 sectors of 8 cells	24 (4 sets of 6 sectors)



Polystyrene sample cup utilizable on HITACHI® vol. 3ml

CAT. NO.	Dimensions	Internal packaging	Sale unit
BSA031S	H 3.81 Ø1.21 cm, Ø1.70 (max)	bag / 250	case / 6000



Cuvette utilizable on HITACHI® 911/912 in bionex

CAT. NO.	Internal packaging	Sale unit
BSA098	6 sectors of 20 cells	24 (4 sets of 6 sectors)



Bionex single cuvette

CAT. NO.	Dimensions	Sale unit
BSA108	H 2.80 L 0.79 P 0.62 cm	Rack 200 pcs



Cuvette utilizable on HITACHI® 717/914 in methacrylate

CAT. NO.	Internal packaging	Sale unit
BSA096	6 sectors of 20 cells	24 (4 sets of 6 sectors)



Pediatric sample cup utilizable on Hitachi®, Elecsys®, Cobas Integra® and Core®

CAT. NO.	Dimensions	Internal packaging	Sale unit
BSA86	H 3.72 cm, Ø 0,90 cm (Ø max 1,67; Ø bottom 1,23 cm)	500 / bag	5000 / case

12 CELLS CUVETTE

12-cell cuvette in Methacrylate. Carton of 30 racks supplied with 2 pliers. Plier is needed to transfer the cuvettes from the rack into the analyzer. Cuvette : H 2.00 L 5.20 D 0.86 cm



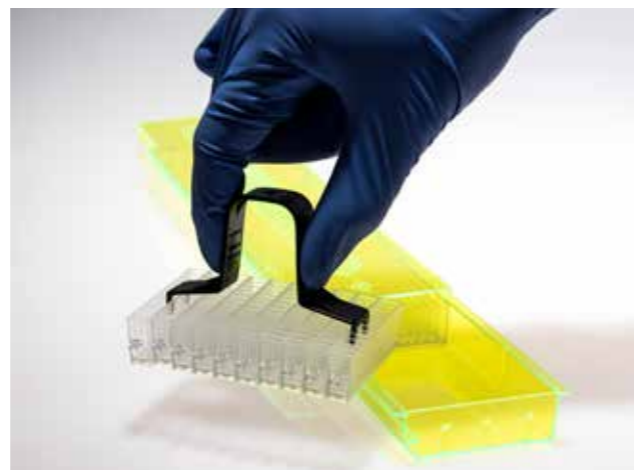
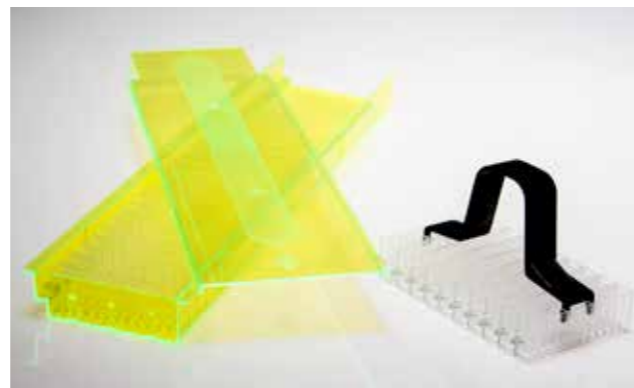
12 cells cuvettes

CAT. NO.	Internal packaging	Sale unit
BSP300	rack of 30 pcs	900 / case



Polystyrene sample cup: vol. 1.5 ml

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA027	H 2.30 Ø 1.36	bag / 1000	case / 10000



CUVETTES UTILIZABLE ON EXPRESS®

5-cell cuvette in rack of 13 pcs supplied with or without orange waste bags, utilizable on EXPRESS® 550 and PLUS.

Optic multisample cuvettes utilizable on EXPRESS® 550 and PLUS + 24 bags

CAT. NO.	Internal packaging	Sale unit
BSA656	Rack of 13 pcs	case / 100 racks + 24 waste bags
BSA655	Rack of 13 pcs	case / 200 racks



CEX sample cup utilizable on express® 550 and plus in polystyrene.

CAT. NO.	Dimensions	Internal packaging	Sale unit
BSA658	H 1.91 Ø 1.25 cm	1000 / bag	12000 / case

CEX pediatric cup utilizable on express® 550 and plus in polystyrene.

CAT. NO.	Dimensions	Internal packaging	Sale unit
BSA659	H 1.91 Ø 1.25 cm	1000 / bag	12000 / case



EXPRESS® is a registered trade marks by Bayer

SAMPLE AND COAGULATION CUPS

- Made of high quality and transparent raw materials
- Tested in process with relevant analyzers

Sample cup utilizable on Olympus AU400/ AU640, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA651	H 4.90 Ø 1.37 (max Ø 1.54)	bag / 1000	case / 3000



Sample cup utilizable on Axsym in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA046	H 5.30 Ø 1.18, Ø 1.74(max)	bag / 1000	case / 4000



Sample cup utilizable on TECHNICON Vol. 4 ml, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA045	H 3.78 Ø 1.53	bag / 500	case / 5000



Sample cup utilizable on CENTRICHEM vol. 0.25 ml, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA029	H 1.62 Ø 1.36	bag / 1000	case / 10000



Sample cup utilizable on TECHNICON vol. 1.5 ml, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA027	H 2.30 Ø 1.36	bag / 1000	case / 10000



Sample cup utilizable on GENSEAC vol. 0.5 ml, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA030	H 2.43 Ø 1.36	bag / 1000	case / 10000



Coagulation cup utilizable on Option, Benk, Trombotimer, in polystyrene

CAT. NO.	Dimensions (cm)	Metallic Mixers aside	Internal pack.	External pack.
BSA73	H 2.24 Ø 0.86		bag / 1000	case / 5000
BSA731	H 2.24 Ø 0.86	X	bag / 1000	case / 5000



Coagulation sample cup with optagonal top profile, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA5258	H 2.90 Ø 0.80	bag / 1000	case / 12000



Coagulation cup, utilizable on ACCU COA DATA with metallic steel stick aside, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA74	H 3.51 Ø 0.86	bag / 1000	case / 5000



Coagulation cup utilizable on SEAC CLOT 2 with metallic steel stick, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA77	H 3.47 Ø 1.34(max)	rack / 100	case / 1000



Sample cup utilizable on Biotecnica Apparatus, in polypropylene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA69	H 2.00 Ø 1.08	bag / 2000	case / 20000



Cuvette utilizable on FIBRINTIMER with metallic mixers aside, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA032	H 3.45 Ø 1.16	bag / 500	case / 10000



Coagulation cup utilizable on Coag-Mat, in polystyrene

CAT. NO.	Dimensions (cm)	Internal packaging	Sale unit
BSA102	H 2.34 Ø 1.00	bag / 1000	case / 5000



Sample cup in PP utilizable on A.A.

CAT. NO.	Dimensions (cm)	Volume (ml)	Internal packaging	Sale unit
BSA88	H 4,9 Ø 1,98	2	500	5000



Axsym® is a registered trade mark by Abbott. Sismex® is a registered trade mark by Sismex Japan

EASY NEST CUPS

Easy nest cups used as reducers of Ø 13 and 16 mm test tubes

Nesting sample cup

CAT. NO.	Volume (ml)	Diameter (mm)	Dimensions (cm)	Internal packaging	Sale unit
BSA636S	1	13	H 2.97 Ø 0.94 (max Ø 1.38)	500 / bag	10000 / case
BSA646S	2	16	H 2.97 Ø 1.24 (max 1.67)	1000 / bag	8000 / case



BSA646S BSA636S

SEMI-MICRO AND MACRO CUVETTES

Disposable spectrophotometer cuvettes in PS and PMMA

Plastic disposable cuvettes replacing fragile glass or quartz cuvettes in many applications that were previously beyond the range of plastic cuvettes. Designed for single use, they eliminate time-wasting washing, and the cross-contamination risk associated with washing and reusing cuvettes.

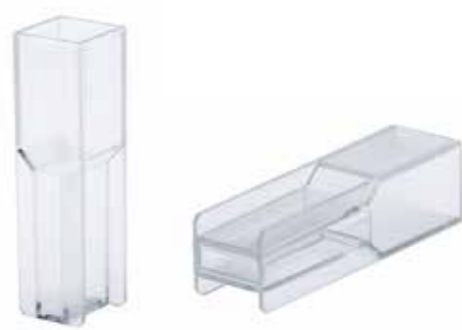
- ▶ Glass clear polystyrene or methacrylate
- ▶ Optimal results on both transmittance and absorbance tests compared with the most known brands in the market
- ▶ Applicable wavelength range 340 to 900 nm (PS) and 300 to 900 nm (PMMA)
- ▶ Path length 10 mm
- ▶ Maximum variability between the two walls of the same cuvette: <1%
- ▶ Direction arrow helping the correct insertion in spectrophotometer housings
- ▶ Ideal for determination of purity and concentration of proteins, DNA and RNA
- ▶ Will fit most commercial photometers without need for adapters
- ▶ Very high chemical resistance
- ▶ CE marked

Macro

Semi-micro



BSA001/BSA001M



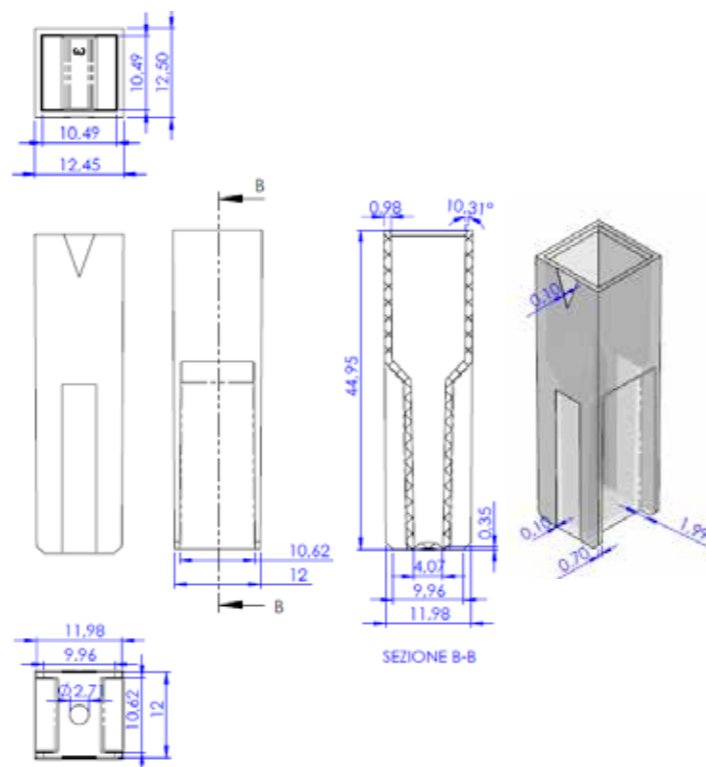
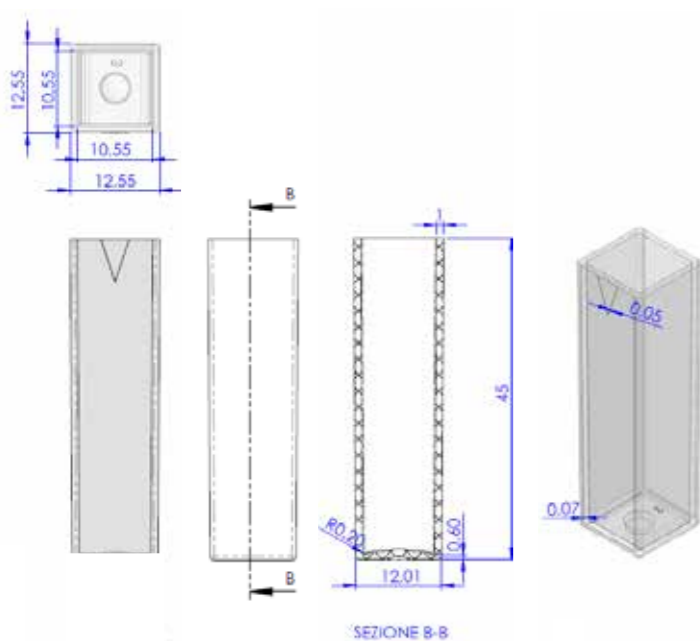
BSA002/BSA002M

Macro Cuvettes, volume 4 ml

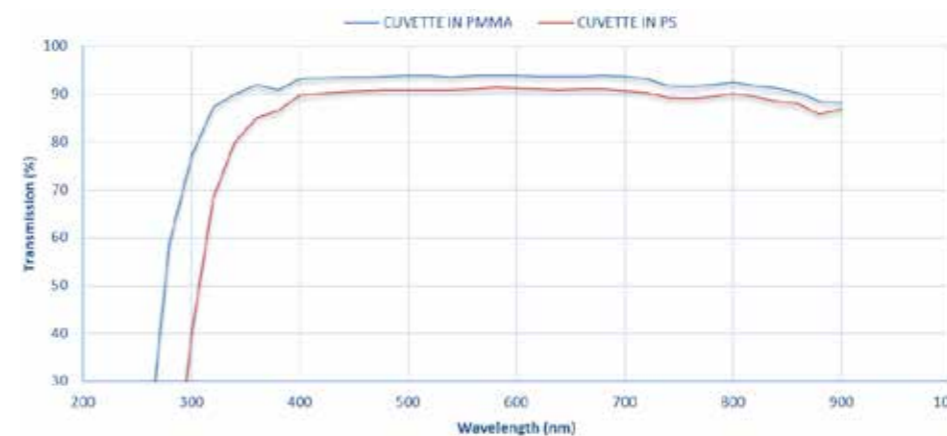
CAT. NO.	Raw material	Dimensions (mm)	Internal packaging	Sale unit
BSA001	Polystyrene (PS)	12.5 x 12.5 x 45	rack / 100	1000
BSA001M	Methacrylate (PMMA)	12.5 x 12.5 x 45	rack / 100	1000

Semi-Micro Cuvettes, volume 2 ml

CAT. NO.	Raw material	Dimensions (mm)	Internal packaging	Sale unit
BSA002	Polystyrene (PS)	12 x 6 x 45	rack / 100	1000
BSA002M	Methacrylate (PMMA)	12 x 6 x 45	rack / 100	1000



Cuvettes transmittance



Raw material	Polystyrene (PS)	Methacrylate (PMMA)
Applicable wavelength range	340-900 nm	300-900 nm
Minimum transmittance %	from 80% to 90%, between 340 and 800 nm	from 80% to 94%, between 300 and 800 nm
Maximum transmittance variability of cuvettes coming from the same box	1,6%	1,6%

- ▶ Packed in smart polyfoam boxes of 100 units
- ▶ Automatic packaging
- ▶ Innovative box shape allows an easy handling of cuvettes
- ▶ Grouped by mold cavity number. Single-cavity boxes grants the best repetitiveness for the cuvettes of the same box**

** A plastic injection mold with 4 separate cavities can produce 4 cuvettes at a time. Minor dimensional variations between the cavities are unavoidable despite the most advanced technology. This may result in a greater variation of extinction values between cuvettes from different cavities. Therefore, cuvettes originating from the same cavity are automatically packaged into the same carton. For best results, use cuvettes from the same cavity number for each series of analyses.

Quartz or Optical Glass Macro and Semi-Micro cuvettes

Quartz or Optical Glass Macro and Semi-Micro cuvettes for spectrophotometry

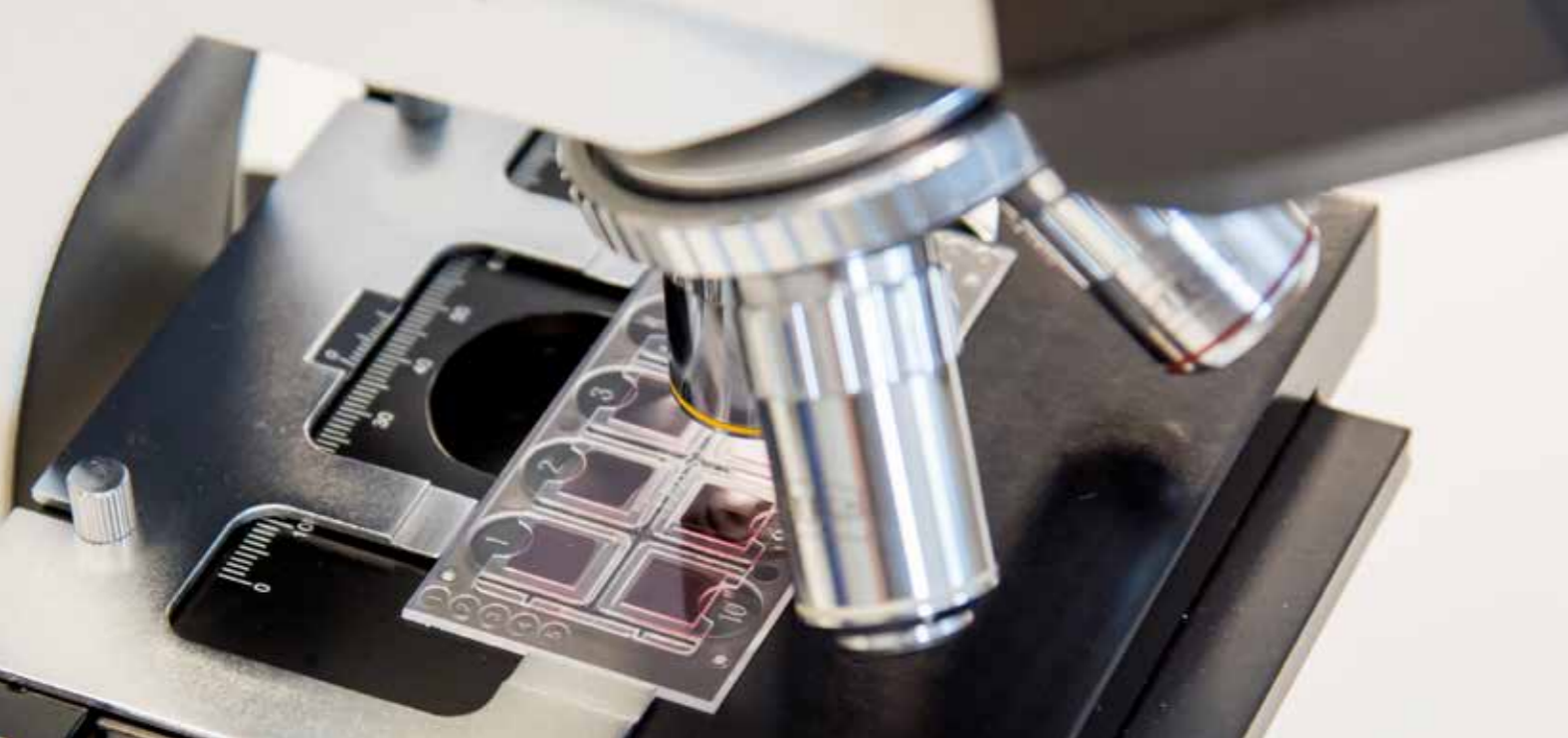
- ▶ Optical path 10 mm
- ▶ Each cell type is supplied in cartons of 2 pieces with Teflon lid

Raw material	Optical Glass	Quartz
Applicable wavelength range	320 – 2500 nm	190 – 2500 nm
Transmittance	350 nm ~ 82%	200 nm ~ 82%



Quartz or Optical Glass Macro and Semi-Micro cuvettes

CAT. NO.	Type	Raw material	Volume (ml)	Dimensions (cm)	Internal packaging	Sale unit
BSA300	Macro + lid	Optical Glass	3.5	45 x 12.5 x 12.5	2	1
BSA301	Macro + lid	Quartz	3.5		2	1
BSA302	Semi-Micro with sandblasted walls + lid	Optical Glass	1.4		2	1
BSA303	Semi-Micro with sandblasted walls + lid	Quartz	1.4		2	1
BSA304	Semi-Micro with black walls + lid	Optical Glass	1.4		2	1
BSA305	Semi-Micro with black walls + lid	Quartz	1.4		2	1



FOR THE STANDARDIZATION OF MICROSCOPIC URINALYSIS

The FAST READ 102® system improves the standardization of microscopic urinalysis and provides precision and reproducibility to guarantee constant readings which will not be influenced by variations of techniques among different operators.

FAST READ 102® is made of a slide which is protected by an optically transparent film, with 10 independent chambers containing a standard volume of 7 µL. After dispensing the sample on the slide application area and thanks to a capillary mechanism, the sediment becomes homogeneously distributed in the reading chamber. Each chamber is fitted with its own system for the collection of excess urine to prevent any possible contamination. Furthermore FAST READ 102® slide allows easy identification of the sample by using the numbers printed on the sides.

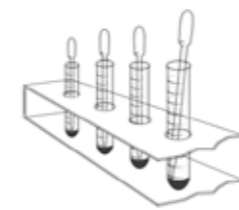
MATERIALS: The BVS100 device is manufactured in METHACRYLATE: rigid, transparent, resistant to atmospheric agents, it replaces the glass in every its applications reaching high temperatures (lower than 90-100 °C).



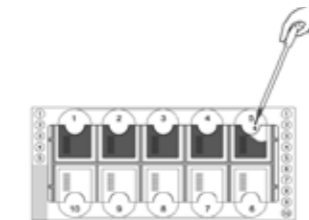
CE This product fulfils the requirements of Directive 98/79/EC on in vitro diagnostic medical devices

URINE READING SYSTEM

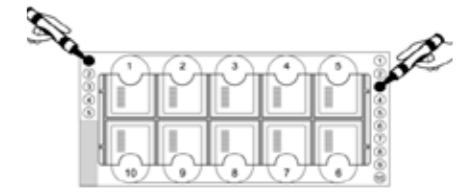
For more details please visit:
<http://www.biosigma.com/urine-reading-system.html>



After completing the preparation of the urinary sediment by normal centrifugation, insert a pipette into the test tube and dispense one drop of STAIN.

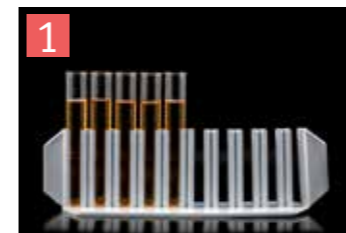


Use the pipette to mix the urinary sediment by repeatedly pressing the bulb; then dispense a drop of sample onto the appropriate area of the slide.



HOW TO USE THE NUMBERING SYSTEM
 Example: For the identification of samples from number 131 to 140 mark number 1 on the left side and number 3 on the right side of the slide.

M-T system



Test Tube 10ml BSP074

M-T microtips® BSV143

During urine sedimentation count it is very important using always the same sample preparation method in order to have tests' repeatability.

With traditional urine reading system, actually used by many laboratories, sedimentation compaction creates a superimposition of epithelial cells causing difficulties in verifying the presence amount of different cells components.

With Biosigma M-T System it is possible to overcome those inconveniences in a few standardisation steps during sample preparation.

1. Fill BSP074 test tubes with 10ml of urine and then centrifuge
2. Insert tribulb M-T Microtips® BSV143 making sure to trap the tubes
3. Overturn the rack for the excess urine
4. You will get 1 ml of sediment, resuspended and ready to be analysed on Fast Read 102® Slides
5. Deposit a drop in the Fast Read 102® cell



M-T microtips® is a Biosigma's registered trade marks

CALCULATION METHOD FOR CELLS / μL IN URINARY SEDIMENT

FAST READ 102® is a disposable plastic device composed of 10 counting chambers. Each device allow to analyze 10 samples. Each room contains a GRID composed of 10 SQUARES divided into 16 smaller squares (called SECTORS). One advantage of using FAST-READ is to determine easily the specimen's number of cells per μL

1. Perform the count on a centrifuged fresh urine sample, after decantation
2. Gently resuspend the sediment
3. Using a pipette, introduce the sample into the well and examine under the microscope the area of the grid
4. Count the number of cellular elements within N squares

$$\text{Cell. / } \mu\text{L} = \frac{(\sum \text{ cells counted in square N}) \times \text{concentration factor} \times 10}{N}$$

Concentration factor = Volume of sediment / Volume centrifuged urine
10: conversion from 0.1μL to 1μL

For uncentrifuged urine, don't multiply the number of cells counted for the concentration factor.

METHOD OF CELL COUNTS FOR DILUTED SAMPLES (CELLS / ML)

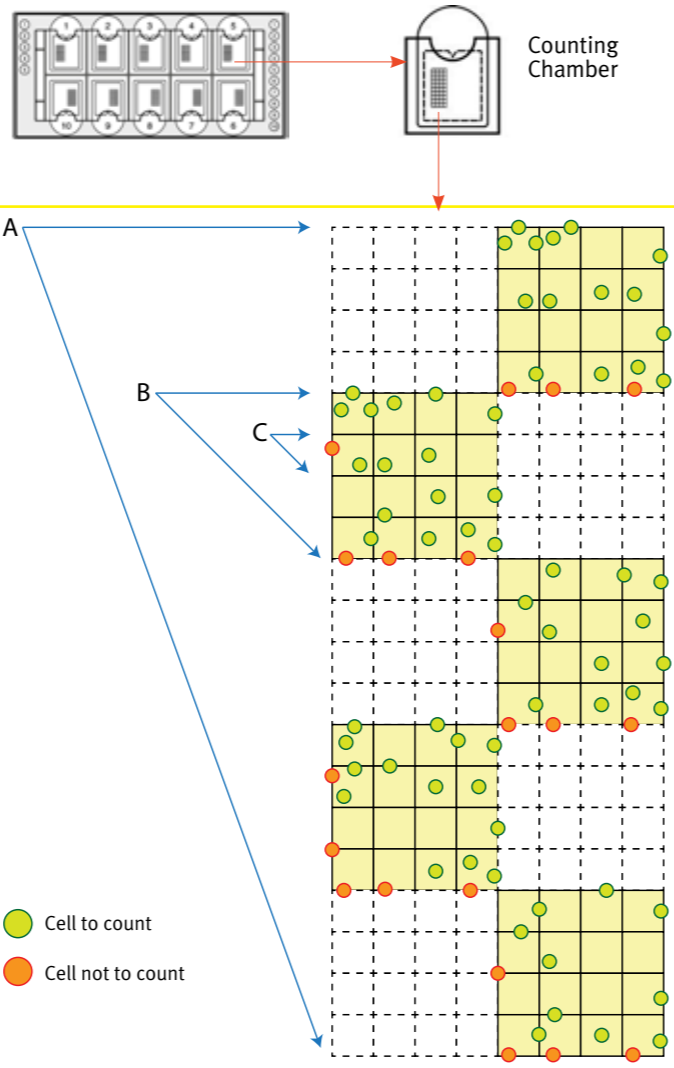
After filling the counting chamber with the sample, proceed with the counting of the cells distributed in N squares. Considering that the grid consists of 10 squares, each square has a Dimensions of 1 x 1 mm, a depth of 0.1 mm and a volume of 0.1 μL, the formula for determining the concentration of cells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

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

10⁴ = conversion 0.1 μL in 1 ml

Pay attention to the cells on the edges, you should only count those on either side, to avoid over or under counting risk.

In the example shows, we perform the cell counting of a sample diluted 100 times:
N = 5 (number of squares considered for counting) cells counted in 5 square = 67
Dilution factor = 10²
[Cells / ml] = (67/5) x 10² x 10⁴ = 13.4 x 10⁶



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	1 μL
Each square includes	16 sector
C: SECTOR	
Dimensions	0.25 mm x 0.25 mm
Depth	0.1 mm
Volume of sector	0.00625 μL

Publication in scientific journal.

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

Gunetti M, Castiglia S, Rustichelli D, Mareschi K, Sanavio F, Muraro M, Signorino E, Castello L, Ferrero I, Fagioli F. J. Transl Med. 2012 May 31;10:112
www.Translational-medicine.com/content/10/1/112



How to order FAST-READ® kits

1 kit = 1.000 determinations

	Fast-Read® 102	M-T Microtips®	Pasteur Pipette in PE	Test Tube 10 ml in P	White Cap aside	Test Tube 10 ml in PS labelled with white cap	Stain urinary sediment
	(BVS100)	(BSV143)	(BSV140)	(BSP074)	(BSO026)	(BSP112)	(BVS135)
CAT. NO.							
BVS100	●						
BVS101	●		●				
BVS102	●		●				●
BVS190		●		●			
BVS171	●	●					
BVS1715	●	●		●			
BVS1719	●	●		●	●		
BVS1717	●	●		●			●
BVS1720	●	●		●	●		●
BVS1721	●	●				●	●

Urinalysis controls validate performance for consistency and accuracy

KOVA® Urinalysis Controls Validate Performance for Consistency and Accuracy

For quality control, use KOVA controls to validate the performance of urine chemistry test strips and readers and to help focus microscopic sediment analysis. KOVA Liqua-Trol™ is a ready-to-use bi-level liquid control for use with all major brands of urine chemistry dipsticks.

KOVA® Liqua-Trol™

Ready-to-use liquid control. External quality control of physical, chemical and microscopic examination of urine specimens. Available with or without microscopic. Two levels of controls to monitor complete decision range for urine strip chemistries. Value assignments available on all major systems for visual and instrument analysis. Stability: 30 days at room temperature and up to 27 months shelf life for the full labeled dating when stored in a refrigerator (2-8°C).



Individual and Combination Packs

CAT. NO.	Description	Bottle (ml)	Sale unit
87112E	KOVA Liqua-Trol Level I (Abnormal) and Level II (Normal w/ hCG); bi-level 3x15mL	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



HISTOLOGY AND MICROSCOPY

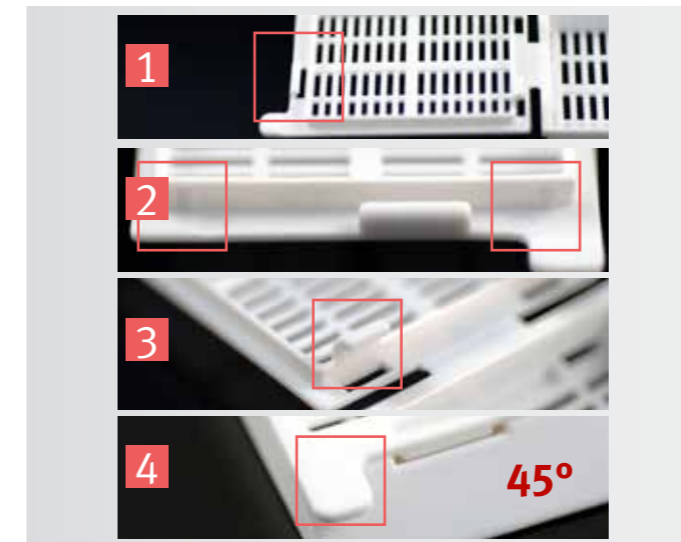
For more details please visit:

<http://www.biosigma.com/histology-and-microscopy.html>

A wide range of products to Histology disposables like as Tissue Embedding and Biopsy cassettes with and without lid but also many other product to assist you to on transportation, storage and staining of microscope slides

EMBEDDING CASSETTES

Embedding cassettes with removable cover, made of acetalic resin (POM), resistant to solvents, decalcificants, histological solutions and ultrasound techniques. Writing area for sample identifications. Also suitable to automatic printers



Innovative closing system

A Biosigma innovative closing system to avoid the cassette's accidental opening during sample processing but of easy use anyway.

Picture 1: A hook closure insertion in the cassette front part avoids any accidental opening in case of voluminous sample.

Picture 2: The presence of a special ribbed lid fitted with 2 rear hooks (**Picture 3**) prevents the forward movement and the cassette's rear opening.

Picture 4: The opening tab does not present sharp edges and is structured to allow operator easy opening. Anterior writing area at 45° angle.

Histology cassettes



Cassette in Pom detachable cover (40x28x7mm) with rettangular holes (5x1mm)

Biopsy cassettes



Cassette in Pom detachable cover (40x28x7mm) with square holes (1x1 mm).

Histology cassette

CAT. NO.	Color	Internal packaging	Sale unit
BSI102	white	bag / 500	case / 2000
BSI1022	yellow	bag / 500	case / 2000
BSI1024	pink	bag / 500	case / 2000
BSI1026	green	bag / 500	case / 2000
BSI1027	orange	bag / 500	case / 2000
BSI1028	light blue	bag / 500	case / 2000

Biopsy cassette

CAT. NO.	Color	Internal packaging	Sale unit
BSI103	white	bag / 500	case / 2000
BSI1032	yellow	bag / 500	case / 2000
BSI1034	pink	bag / 500	case / 2000
BSI1036	green	bag / 500	case / 2000
BSI1037	orange	bag / 500	case / 2000
BSI1038	light blue	bag / 500	case / 2000

Embedding cassette without lid



Embedding cassette without lid designed to accept standard metal lids

CAT. NO.	Color	Int. pack	Sale unit
BSI104	white	500	2000

Metal Lid



Metal Lid

CAT. NO.	Color	Int. pack	Sale unit
BSI220	Metal	10	20

Embedding ring



Embedding ring

CAT. NO.	Color	Int. pack	Sale unit
BSI4401	white	1000	3000

- ▶ External dimensions: 28 x 24 x 10mm
- ▶ Internal dimensions: 14,20 x 14 x 10mm

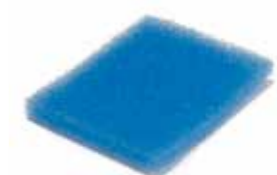
Mould base stainless steel



Mould base stainless steel

CAT. NO.	Internal dimensions	CAT. NO.	Internal dimensions	Sale unit
040728	7 x 7 x 5 mm	040731	30 x 24 x 5 mm	12
040729	15 x 15 x 5 mm	040732	37 x 24 x 5 mm	12
040730	24 x 24 x 5 mm			12

Histological sponge



Histological sponge

CAT. NO.	Color	Internal packaging	Sale unit
BSI105	blue	500	5000

MICROSCOPE SLIDES

- ▶ Particularly indicated for microscope analysis of blood, urine, tissue samples and other biological fluids for in vitro diagnostic analysis.
- ▶ Dimensions: 26 x 76 x 1.0-1.2 mm
- ▶ Thickness tolerances: 1.1 ± 0.1 mm
- ▶ Transparent glass



Microscope slides with paper

Microscope slides without paper

Microscope slides with paper

CAT. NO.	Dim (mm)	Corner	Cut edges	Ground edges	Frosted area	Int. pack.	Sale unit
VBS653/A	26 x 76	90°	X			50	2500
VBS654/A	26 x 76	90°	X		X	50	2500
VBS655/A	26 x 76	45°		X		50	2500

Microscope slides without paper

CAT. NO.	Dim (mm)	Corner	Cut edges	Ground edges	Frosted area	Int. pack.	Sale unit
VBS653	26 x 76	90°	X			50	2500
VBS654	26 x 76	90°	X		X	50	2500
VBS655	26 x 76	45°		X		50	2500
VBS656	26 x 76	45°		X	X	50	2500

Microscope slides color coded for easy identification

CAT. NO.	Dim (mm)	Corner	Colour	Ground edges	Frosted area	Int. pack.	Sale unit
VBS656/B	26 x 76	45°	white	X	X	50	2500
VBS656/AZ	26 x 76	45°	light blue	X	X	50	2500
VBS656/G	26 x 76	45°	yellow	X	X	50	2500
VBS656/RA	26 x 76	45°	pink	X	X	50	2500
VBS656/V	26 x 76	45°	green	X	X	50	2500
VBS656/AR	26 x 76	45°	orange	X	X	50	2500



COVERSLIPS

- ▶ Particularly indicated for microscope analysis of blood, urine, tissue samples and other biological fluids for in vitro diagnostic analysis.
- ▶ Thickness: 0.13 ± 0.17 mm
- ▶ Transparent glass



Coverslips

CAT. NO.	Dimensions (mm)	Thickness	Internal packaging	Sale unit
VBS633	18 x 18	0.13 ± 0.17 mm	200	2000
VBS634	20 x 20	0.13 ± 0.17 mm	200	2000
VBS636	22 x 22	0.13 ± 0.17 mm	200	2000
VBS637	24 x 24	0.13 ± 0.17 mm	200	2000
VBS638	24 x 32	0.13 ± 0.17 mm	100	1000
VBS649	24 x 40	0.13 ± 0.17 mm	100	1000
VBS650	24 x 50	0.13 ± 0.17 mm	100	1000
VBS651	24 x 60	0.13 ± 0.17 mm	100	1000

HISTOBOND®

TRADEMARK BY PAUL MARIENFELD

HistoBond® adhesive microscope slides with silane treated surfaces for effective adhesion of tissue sections, glass, with ground edges 90°, approx. 76x26 mm (DIN ISO 8037-1), thickness approx. 1 mm, twin frosted 20 mm (at one end, both sides).



Histobond®

CAT. NO.	Dimensions (mm)	Internal packaging	Sale unit
VBS5001	76x26	100	2000

COVERSLIPS

FOR AUTOMATIC MACHINES

Such coverslips are made of pure white borosilicate glass, perfectly clear and chemically resistant to the first hydrolytic class. They are suitable for automatic machine. Thickness of 0.16 to 0.19 mm.



Coverslips

CAT. NO.	Dimensions (mm)	Thickness	Internal packaging	Sale unit
VBS6502	24 x 50	0.16 to 0.19 mm	100	1000
VBS6512	24 x 60	0.16 to 0.19 mm	100	1000

PLASTIC TRAYS AND SLIDES MAILERS

- ▶ In polypropylene
- ▶ Snap closure for perfect tightness, For 26x76mm slides



- ▶ In polypropylene
- ▶ 2 places
- ▶ For 26x76mm slides



Slide mailer in polypropylene

CAT. NO.	Dimensions (mm)	Places	Internal packaging	Sale unit
BSL923	98.8 x 50.6 x 6.4	1	10	500
BSL925	70 x 84 x 6	2	10	500
BSL924	84 x 97 x 6	3	10	500

Plastainer slides mailer

CAT. NO.	Places	Sale unit
BSI101	2	1000

- ▶ In polypropylene
- ▶ Screw cap
- ▶ From 5 to 10 places
- ▶ 40 x 90 mm
- ▶ For standard microscope with loop for sealing applications



- ▶ In polystyrene
- ▶ From 10 to 40 places
- ▶ White color
- ▶ For standard microscope slides 26 x 76 mm



Slide mailer screw cap

CAT. NO.	Dimensions (mm)	Places	Internal packaging	Sale unit
BSL922	40 x 90	From 5 to 10	50	250

Microscope slides trays

CAT. NO.	Dimensions (mm)	Places	Sale unit
BSL671	34.0 x 10.0	10	40
BSL672	34.0 x 19.0	20	20
BSL673	34.0 x 40.0	40	10

STORAGE MICROSCOPE SLIDE BOXES

- ▶ In durable ABS raw material
- ▶ With numbered slots for 26x76mm slides
- ▶ Index-card for the classification
- ▶ Biohazard label on the top
- ▶ Hinged lid



Storage microscope slide boxes

CAT. NO.	Dimensions (mm)	Places	Sale unit
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

SLIDE STORING SYSTEM

- ▶ Cabinet with 5 drawers for microscope slide storage
- ▶ Can take up to 5000 slides
- ▶ Each drawer can be completed with racks for 100 slides
- ▶ The rack itself is closed by a transparent lid
- ▶ The cabinet is supplied with the drawers, without the racks



Slide storing system

CAT. NO.	Description	Dimensions (mm)	Raw Material	Sale unit
391180	Package of 5 drawers with lids, without supports	420 x 420 x 725	ABS	1
391181	Set of 4 wheels (castors)	-	-	1
391182	Storage rack 100 slides	360 x 38 x 100	PP	1
391183	Lid for rack	345 x 35 x 40	PS	1
391184	Single drawer unit without support	420 x 420 x 140	-	1
391185	Lid for drawer	420 x 420 x 25	-	1

COPLIN STAINING JAR

A soda-lime glass jar with cap, Coplin type.

- ▶ For 5 slides -76x26mm (or 10 back-to-back slides)
- ▶ ø x h = 73 x 105 mm



Coplin staining jar

CAT.NO.	Descriptions	Capacity	Sale Unit
068512	Coplin staining jar	5 slides 76x26 mm (or 10 back-to-back slides)	1

HELLENDAHL STAINING JAR

A soda-lime glass jar with top, Hellendahl type.

- ▶ For 8 slides 76x26mm (or 16 back-to-back slides)
- ▶ L x l x h: 58.5 x 58.5 x 100 mm



Simple STAINING JAR, Hellendahl type

CAT.NO.	Descriptions	Capacity	Sale Unit
068509	Hellendahl staining jar	For 8 slides 76x26 mm (or 16 back-to-back slides)	1

OILS FOR IMMERSIONS

The means of immersion for microscopy have the same glass index of refraction. Thanks to oil immersion, the deviation of the light rays is almost completely eliminated and the performance objectives of the microscopes are therefore considerably improved.



CAT.NO.	Descriptions	Sale Unit
BSI114	Oil for immersion, 100 ml	1

SCHIFFERDECKER STAINING BOX

A soda-lime glass box with top, Schifferdecker type

- ▶ For 10 slides 76 x 26 mm (or 20 back-to-back slides)
- ▶ L x l x h: 90 x 70 x 50 mm



Schifferdecker staining box

CAT.NO.	Descriptions	Capacity	Sale Unit
068511	Schifferdecker staining box	For 10 slides 76x26 mm (or 20 back-to-back slides)	1

STAINING JAR WITH 2 LIDS

- ▶ PMP (TPX)
- ▶ Can be used with or without a polypropylene rack for 20 slides
- ▶ Opening lid which facilitates the use of the rack during the staining phases



Staining jar with 2 lids

CAT.NO.	Descriptions	L x w x h (mm)	Sale Unit
391057	Staining jar	81 x 101 x 70	1
391058	Holder for 20 slides	Rod height: 167 l x w: 70 x 86 (tank: 81 x 101)	1

EUKITT BALM FOR INCLUSIONS

- ▶ Early strenght
- ▶ Solidification in 20 minuts



CAT.NO.	Descriptions	Sale Unit
045798	Balm for inclusion - flacon of 100 ml	1
045799	Balm for inclusion - flacon of 250 ml	1

COUNTING CHAMBER

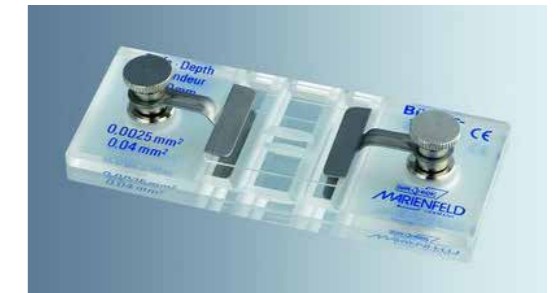
- ▶ CE marked
- ▶ Products with special optical glass
- ▶ Tolerances of the depth of the chamber 2% (max)
- ▶ In compliance with DIN ISO 12847

Dark line

The rooms of counts standards have grids counts engraved on the bottom of the chamber. Under the microscope the lines of the grid appear dark counts.

Bright line

The rooms of counts "bright line" have grids counts etched in a thin layer of metal. The lines appear bright, in contrast with the dark metallic background, facilitating the evaluation of cell suspensions.



Counting chamber

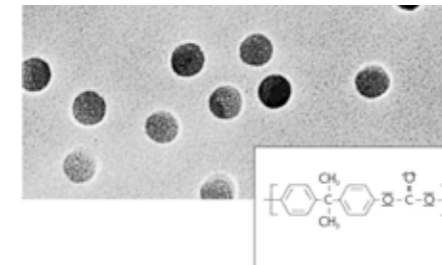
Codice	Chamber type	With pliers	Grid type	Sale Unit
900510	Burker	pliers standard	bright line	1
900514	Fuchs-Rosenthal	pliers standard	dark line	1
900509	Nageotte	pliers double	dark line	1
900511	Neubauer	pliers double	dark line	1
900512	Thoma Cell Rete	with clips	dark line	1

Coverslip for counting chamber

Codice	For chamber	Dimensions (mm)	Thickness (mm)	Sale Unit
VBS626	Fuchs-Rosenthal	24 x 24	0.4	100
VBS627	Burker	21 x 23	0.4	100
VBS628	Neubauer	21 x 26	0.4	100
VBS629	Thoma Cell Rete	22 x 22	0.4	100
VBS630	Nageotte	30 x 30	0.4	100

MEMBRANE IN PC

Membrane in PC 5.0 µm 19 x 42 x 100



CAT.NO.	Descriptions	Sale Unit
036164	Membrane in PC 5.0 µm 19 x 42 x 100	100

POLYCARBONATE MEMBRANES

- ▶ Cut-offs from 0.05 µm to 12 µm
- ▶ Non-sterile
- ▶ Diameter 13, 25, 37, 47 and 80 mm
- ▶ In boxes of 100



CAT.NO.	Descriptions	Sale Unit
321009	Polycarbonate membrane, filtration threshold 5 µm, diameter 25 mm	100

MAKLER CELL

Counting cell with predetermined depth to obtain a monolayer of spermatozoides.

- ▶ Coverslip with grid with 100 squares measuring 0.1mm across
- ▶ 10 µm space between the cell and the coverslip

Makler cell

CAT.NO.	Descriptions	Sale Unit
000973	Grid with squares for Makler chamber	1





INOCULATION LOOPS

Disposable loops 1 and 10 µl, sterile, in polypropylene. One side is provided of loop head and the other side of inoculating needle. The easy peel-pack open pouch enables fast and easy access to the product especially when wearing latex gloves. Peel-pack shows lot no and sterility expiry date. Peel pack can be of 5, 10, 20 units or single packed.

- ▶ In polypropylene
- ▶ 1 or 10 µl
- ▶ Peel-pack
- ▶ Single, bag/5, Bag/10, Bag/20
- ▶ Sterile
- ▶ Lot No. and expiry date on each pack



MICROBIOLOGY

For more details please visit:
<http://www.biosigma.com/microbiology.html>

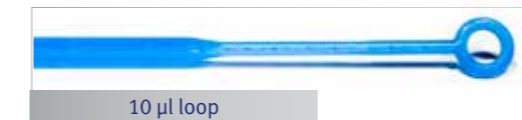
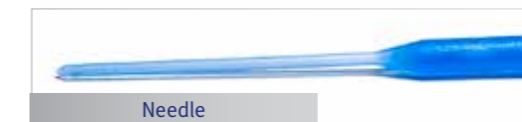
A wide choice of Microbiology products such as Petri dishes and inoculating loops, swabs, cell spreaders and a variety of centrifuge tubes

10 µl



Inoculation loop: 10 µl

CAT. NO.	Case	Color	Internal packaging	Sale unit
BSV120	peel pack of 20 pcs	blue	bag / 2000	case / 10000
BSV1200	peel pack of 10 pcs	blue	bag / 200	case / 12000
BSV1205	peel pack of 5 pcs	blue	bag / 500	case / 4000
BSV1201	single packed	blue	bag / 350	case / 2100

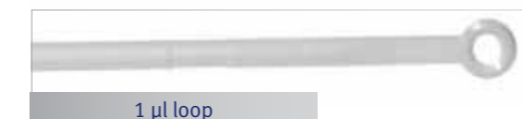
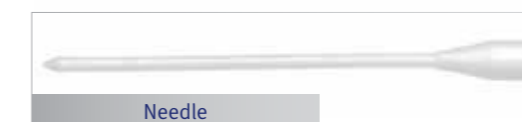


1 µl



Inoculation loop: 1 µl

CAT. NO.	Case	Color	Internal packaging	Sale unit
BSV121	peel pack of 20 pcs	white	bag / 2000	case / 10000
BSV1210	peel pack of 10 pcs	white	bag / 200	case / 12000
BSV1215	peel pack of 5 pcs	white	bag / 500	case / 4000
BSV1211	single packed	white	bag / 350	case / 2100



STERILE L-SHAPED SPREADERS

Sterile L-shaped spreader with a curved end to avoid scratching the culture surface

CAT. NO.	Description	Rake length (mm)	Internal Packaging	Sale unit
999060B	Sterile L-shape spreader with curved right elbow, white colour	35	1	400
999059B	Sterile L-shape spreader Ø 3 mm with curved right elbow, white colour	35	5	400
042820	L-shape spreader with curved end, sterile, blue colour	33	1	500
042821	L-shape spreader with curved end, sterile, blue colour	34	5	1000



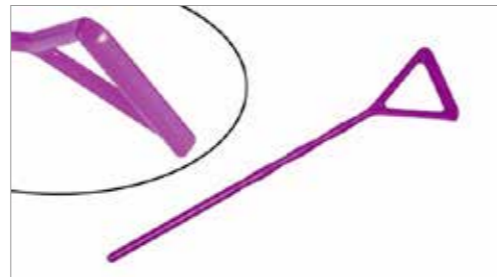
Sterile T-shaped spreader

CAT. NO.	Description	Rake length (mm)	Internal Packaging	Sale unit
042822	Sterile T-shape spreader single packed	35	single packed	500
042823	Sterile T-shape spreader (packs of 5)	35	packs of 5	1000
042824	Sterile T-shape spreader (packs of 10)	34	packs of 10	1000



Sterile rake shaped spreader, dimensions: 172 x 37 x 14 mm. Easy to handle

CAT. NO.	Description	dimensions (mm)	Internal Packaging	Sale unit
037877	Sterile Disposable spreader	172 x 37 x 14	single packed	500



PETRI DISHES

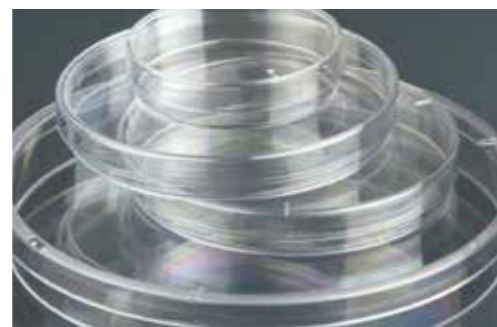
Disposable round petri dishes in transparent polystyrene, available sterile, not sterile, with and without vents for some specific automatic machines.

CAT. NO.	Ø mm	Ventilation	For autom. machines	Sterile	Internal packaging	Sale unit
BSM200	60			X	bag / 10	case / 1000
BSM212	90	X	X		bag / 20	case / 480
BSM2120	90	X	X	X	bag / 20	case / 480
BSM215	100	X		X	bag / 10	case / 500
BSM220	120			X	bag / 10	case / 320
BSM230	150	X		X	bag / 20	case / 220



- ▶ Made of crystal polystyrene, superior clarity
- ▶ Manufactured under aseptic ISO Class-7 conditions
- ▶ Aseptic
- ▶ Sub-packaged in plastic bags
- ▶ CE marking, as per EU Directive 98/79/EC
- ▶ Resin and packaging are free from heavy-metals, as per EC directive CE/94/62
- ▶ Suitable for food-contact, as per Regulation (EC) No 1935/2004
- ▶ Pouring-off temperature : 60°C

CAT. NO.	Description	Sale unit
076058	Petri dishes diam 55mm with ergot aseptic clearline	case / 1200
076059	Petri dishes diam 55mm without ergot aseptic clearline	case / 1200
076084B	Petri dishes diam 90mm with ergot s/s20 aseptic clearline	case / 500
076060B	Petri dishes diam 140mm with ergot aseptic clearline	case / 120



SWABS

Amies: The medium allows good conservation of beta-hemolytic streptococcus, intestinal pathogenic and *S. aureus* for over 3 days, of *N. gonorrhoeae* for 24 hours, of *B. pertussis* and *Fusobacterium* for 48 - 72 hours.

Amies with charcoal: The medium allows good conservation of beta-hemolytic streptococci, intestinal pathogenic and *S. aureus* for over 3 days, of *N. gonorrhoeae* for 24 hours, of *B. pertussis* and *Fusobacterium* for 48 - 72 hours. The vegetable carbon present in the medium improves the survival of *Neisseria gonorrhoeae* and of the intestinal pathogenic bacteria neutralizing the toxic metabolic products.

Stuart: Stuart's preparation was designed to preserve *Neisseriae Gonorrhoeae* and *Trichomonas Vaginalis* without permitting their proliferation. The medium has been shown to be suitable for transporting *Haemophilus Influentiae*, *streptococcus Pyogenes*, *Corynebacterium Diptheriae*, *Enterobacteria* and *Bacteria* of the respiratory tract as well. Bacteria can survive up to 72 hours

Sterile swabs with cap in polyethylene, inserted in tube in polypropylene Ø 12x150mm with plastic or aluminum shaft. Swab available dry or with various transport media: Amies, Amies with charcoal and Stuart.





BSM031



BSM030



BSM032



BSM032/M

- ▶ Sterile
- ▶ Plastic or aluminium applicator
- ▶ Cotton swab
- ▶ Without medium
- ▶ Tubes in polypropylene
- ▶ Medical Device class IIA sterile

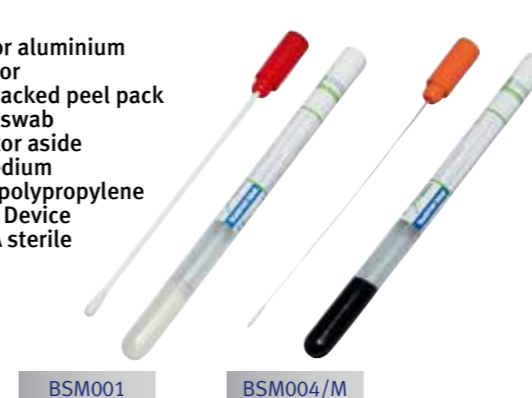
Dry swab: wooden applicator 150 mm

CAT. NO.	Sterile	Length (mm)	Internal Packaging	Sale unit
BSM031	X	150	individually wrapped in box of 500	5000
BSM030		150	bag / 2000	10000

Sterile swab with applicator. Tube Ø12x150mm in polypropylene without medium

CAT. NO.	Applicator material	Cap color	Internal Packaging	Sale unit
BSM032	Plastic	white	100	1000
BSM032/M	Aluminum	orange	100	1000

- ▶ Sterile
- ▶ Plastic or aluminium applicator
- ▶ Single packed peel pack
- ▶ Viscose swab
- ▶ Applicator aside
- ▶ With medium
- ▶ Tube in polypropylene
- ▶ Medical Device class IIA sterile



Sterile swab with medium

CAT. NO.	Medium	Applicator material	Cap color	Internal Packaging	Sale unit
BSM001	Stuart	Plastic	red	150	900
BSM001/M	Stuart	Aluminum	red	150	900
BSM003	Amies	Plastic	blue	150	900
BSM003/M	Amies	Aluminum	blue	150	900
BSM004	Amies + Charcoal	Plastic	black	150	900
BSM004/M	Amies + Charcoal	Aluminum	black	150	900

- ▶ Sterile
- ▶ Length 150 mm
- ▶ Single packed peel pack



Sterile wooden tongue depressor: single packed wrapped, sterile

CAT. NO.	Sterile	Length (mm)	Internal Packaging	Sale unit
BSM011	X	150	Single packed	100



TEST TUBES, STOPPERS, RACKS

For more details please visit:

<http://www.biosigma.com/test-tubes-stoppers-racks.html>

CLEARLine® CENTRIFUGE TUBES

CLEARLine centrifuge tubes are applicable in molecular biology as disposable laboratory consumables which are manufactured from high transparency polypropylene. Two types of volume are available to meet general need: 15 ml and 50 ml. A ring molded on inner surface of cap make an excellent seal to prevent leak of liquid. Marking area is printed in white to make tube easy for identification. Clearly graduation in black on the surface is helpful for users to calibrate. Preferably, 3 ml graduation molded on conical bottom improves the accuracy of centrifuge tube.

All CLEARLine centrifuge tubes are packaged in bags or racks with sterilization, RNase-free, DNase-free and Non-pyrogenic.

- ▶ 15ml and 50ml volume
- ▶ High transparency polypropylene
- ▶ Molded ring in the cap inner surface grants an excellent seal to prevent leak of liquid
- ▶ White writing area for easy identification
- ▶ Black graduation
- ▶ Conical and self-standing bottom
- ▶ Can be centrifuged up to 14,800 x g for 50 ml and 10,280 x g for 15 ml centrifuge tubes
- ▶ Sterilised at gamma rays SAL 10⁶
- ▶ RNase-free, DNase-free and Non-pyrogenic
- ▶ Autoclavable at 121 °C during 20 min.

Packaging information:

- ▶ Lot number is printed on packaging for tracking
- ▶ Heat-sealed bag, reusable zip bag
- ▶ PS rack, heat shrinking pack



CLEARLine Centrifuge tube-15-50 ml

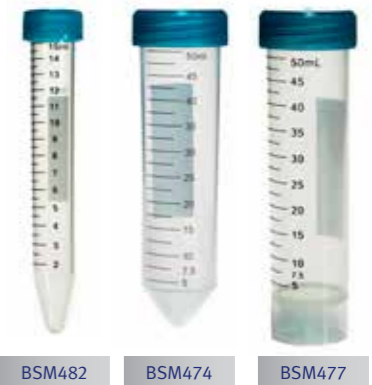
CAT. NO.	Vol. (ml)	Dimensions (mm)	Centrifugation speed	Bottom style	Raw Material	Rack	Certifications	Inner Bag	Sale unit
CL474	50	116 x 28	12000 r/min; 14800 x g	Conical	polypropylene		RNase-free DNase-free Non-pyrogenic Sterile	25	500
CL475	50	116 x 28	12000 r/min; 14800 x g	Conical		X		25	500
CL477	50	118 x 28	12000 r/min; 14800 x g	Self standing				25	500
CL482	15	120 x 16	10000 r/min; 10280 x g	Conical				25	500
CL490	15	120 x 16	10000 r/min; 10280 x g	Conical		X		50	500

TEST TUBES, STOPPERS, RACKS

STERILE POLYPROPYLENE CENTRIFUGE TUBES WITH SCREW CAPS

- ▶ Graduated
- ▶ Writing area
- ▶ Sterile
- ▶ In polypropylene
- ▶ Screw cap
- ▶ Conical bottom or self-standing

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Graduation	Label	Cap	Internal packaging	Sale unit
BSM482	15	Ø 17 x 120	conical	X	engraved	X	bag / 50	case / 500
BSM474	50	Ø 30 x 115	conical	X	engraved	X	bag / 50	case / 500
BSM477	50	Ø 30 x 115	self-standing	X	engraved	X	bag / 25	case / 500



STERILE POLYSTYRENE CENTRIFUGE TUBES WITH SCREW CAPS

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

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Graduation	Label	Cap	Internal packaging	Sale unit
BSM483	15	Ø 17 x 120	conical	X	engraved	blue	bag / 50	case / 500
BSM470	10	Ø 16 x 100	cylindrical			red	bag / 200	case / 1200
BSM470/CS	10	Ø 16 x 100	cylindrical			red	single packed	case / 750
BSP2501	10	Ø 16 x 100	conical			white	bag / 150	case / 450



FLAT BOTTOM TEST-TUBES WITH SCREW CAPS

- ▶ Non sterile
- ▶ Screw cap
- ▶ Flat bottom

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Screw cap	Raw material	Cap	Internal packaging	Sale unit
BSM440	10	Ø 15 x 100	flat	X	polystyrene	white	100	2000
BSM441	5	Ø 15 x 55	flat	X	polypropylene	blue	100	2000



STERILE POLYSTYRENE TEST-TUBES WITH PRESSURE CAPS

- ▶ Sterile
- ▶ In polystyrene
- ▶ Pressure yellow or red cap
- ▶ Cylindrical or conical bottom
- ▶ Graduated

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Graduation	Label	Cap	Sterile	Sale unit
BSM416	5	Ø 12 x 86	cylindrical	2.5 / 5 ml	X	yellow	X	case / 3000
BSM400	10	Ø 16 x 100	cylindrical	2.5 / 5 / 10 ml	X	yellow	X	case / 1800
BSM402	10	Ø 16 x 100	cylindrical	2.5 / 5 / 10 ml	X	red	X	case / 1250
BSM408	10	Ø 16 x 100	conical	1/2,5/5/10 ml	X	yellow	X	case / 2000
BSM410	10	Ø 16 x 100	conical	1/2,5/5/10 ml	X	red	X	case / 800



VACUUM TUBES FOR URINE ANALYSIS

- ▶ Sterile
- ▶ In rack of 100 pcs
- ▶ Labelled
- ▶ Yellow cap



Cylindrical urine test-tube with yellow cap, in rack

CAT. NO.	Description	Dimensions (mm)	Label	Boric Acid	Int. Pack	Ext. Pack
BV057	for 4 ml of urine	13 x 75	X		100	1200
BV058	for 6 ml of urine	13 x 100	X		100	1200
BV059	for 10 ml of urine	16 x 100	X		100	1200
BV060	for 10 ml of urine	16 x 100	X	X	100	1200

VACUUM URINE CONTAINERS

Vacuum urine container 120 ml in polypropylene with screw cap, with frosted side

- ▶ Sterile or not sterile
- ▶ Container in polypropylene
- ▶ Cap in polyethylene



Vacuum urine container

CAT. NO.	Volume (ml)	Sterile	Raw Material	Internal packaging	Sale unit
BSC200	120	X	PP	Single packed	case / 250
BSC201	120		PP	Single packed	case / 250
BSC202	120		PP	in bulk	case / 300

SERUM SEPARATOR TUBES IN RACK

Tubes housed in a rack of 50 pcs. Speed of rotation in centrifuge 3,500 xg.

- ▶ With separator granular and coagulation accelerator
- ▶ In rack of 50 pcs
- ▶ White stopper
- ▶ Centrifugal speed 3,500 (rpm)



Blood collecting tube with granular separator and coagulation accelerator

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Raw material	Stopper	Rack	Sale unit
BSTA18	10	Ø 16 x 100	cylindrical	polypropylene	white	X	case / 1000
BSTA21	10	Ø 16 x 100	cylindrical	methacrylate	white	X	case / 1000
BSTA23	5	Ø 12 x 86	cylindrical	methacrylate	white	X	case / 1000
BSTA33	4	Ø 13 x 75	cylindrical	methacrylate	white	X	case / 1000

TEST TUBES WITH TWO-POSITION CLOSURE CAP

In polystyrene, graduated (or non) and sterile. The particularly shaped two-position cap allows, with a light touch, a good aeration of the contents and, with a stronger pressure, to obtain a leakproof closure.

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Grad.	Label	Cap	Internal packaging	Sale unit
BSF2054/K	6	Ø 12 x 75	cylindrical			X	bag / 250	case / 1000
BSF2054/CS	5	Ø 12 x 75	cylindrical	X	engraved	X	individually wrapped	case / 500
BSF2051	14	Ø 17 x 100	cylindrical	X	engraved	X	bag / 50	case / 500
BSF2051/CS	14	Ø 17 x 100	cylindrical	X	engraved	X	individually wrapped	case / 500



NON STERILE TEST-TUBES

3 ml volume tube

CAT. NO.	Dimensions (mm)	Bottom	Raw material	Rim	Graduation (ml)	Note	Label	Internal packaging	Sale unit
BSA060	Ø 11 x 70	cylindrical	polystyrene			for R.I.A.		bag / 1000	case / 6000
BSP068	Ø 12 x 51	flat	polypropylene	X	1.25 / 25 / 2.5			bag / 1000	case / 5000
BSP069	Ø 12 x 51	flat	polypropylene	X	1.25 / 25 / 2.5		X	in bulk	case / 7000
BSP082	Ø 12 x 51	flat	polystyrene	X	1.25 / 25 / 2.5			in bulk	case / 7000
BSP083	Ø 12 x 51	flat	polystyrene	X	1.25 / 25 / 2.5		X	in bulk	case / 7000
BSP066	Ø 12 x 56	cylindrical	polypropylene	X	0.5 / 1 / 2 / 3			in bulk	case / 7000

5 ml volume tube

CAT. NO.	Dimensions (mm)	Bottom	Raw material	Rim	Graduation (ml)	Color	Label	Internal packaging	Sale unit
BSA059V	Ø 12x75	cylindrical	polystyrene			neutral		bag / 1000	case / 4000
BSA059V/P	Ø 12x75	cylindrical	polypropylene			neutral		bag / 1000	case / 4000
BSA0592	Ø 12x75	cylindrical	polystyrene			blue		bag / 1000	case / 4000
BSP056	Ø 12 x 86	cylindrical	methacrylate	X	2.5 / 5	neutral		bag / 1000	case / 5000
BSP062	Ø 12 x 86	cylindrical	polypropylene	X	2.5 / 5	neutral		in bulk	case / 4000
BSP063	Ø 12 x 92	cylindrical	polypropylene	X	2.5 / 5	neutral	X	in bulk	case / 3600
BSP076	Ø 12 x 86	cylindrical	polystyrene	X	2.5 / 5	neutral		in bulk	case / 4000
BSP077	Ø 12 x 92	cylindrical	polystyrene	X	2.5 / 5	neutral	X	in bulk	case / 3600

Rimless test-tube 13x75mm

CAT. NO.	Volume (ml)	Dimensions (mm)	Bottom	Raw material	Color	Internal packaging	Sale unit
BSA0594	6	Ø 13x75	cylindrical	polystyrene	neutral	bag / 1000	case / 4000
BSA0594/P	6	Ø 13x75	cylindrical	polypropylene	neutral	bag / 1000	case / 4000

10 ml volume tube

CAT. NO.	Dimensions (mm)	Bottom	Raw material	Rim	Graduation (ml)	Label	Internal packaging	Sale unit
BSP054	Ø 16 x100	cylindrical	methacrylate	X			in bulk	case / 2000
BSP055	Ø 16 x100	cylindrical	methacrylate	X		X	in bulk	case / 2000
BSP048	Ø 16 x100	cylindrical	polypropylene	X			in bulk	case / 2000
BSP049	Ø 16 x100	cylindrical	polypropylene	X		X	in bulk	case / 2000
BSP058	Ø 16 x100	cylindrical	polypropylene	X	2.5 / 5 / 10		in bulk	case / 2000
BSP059	Ø 16 x100	cylindrical	polypropylene	X	2.5 / 5 / 10	X	in bulk	case / 2000
BSP072	Ø 16 x100	cylindrical	polystyrene	X	2.5 / 5 / 10		in bulk	case / 2000
BSP073	Ø 16 x100	cylindrical	polystyrene	X	2.5 / 5 / 10	X	in bulk	case / 2000
BSP060	Ø 16 x103	conical	polypropylene	X	0.5 / 1 / 2.5 / 5 / 10		in bulk	case / 2000
BSP061	Ø 16 x103	conical	polypropylene	X	0.5 / 1 / 2.5 / 5 / 10	X	in bulk	case / 2000
BSP074	Ø 16 x103	conical	polystyrene	X	0.5 / 1 / 2.5 / 5 / 10		in bulk	case / 2000
BSP075	Ø 16 x103	conical	polystyrene	X	0.5 / 1 / 2.5 / 5 / 10	X	in bulk	case / 2000



DROSOPHILA

- ▶ Vials for drosophila
- ▶ In carton-rack of 100 pcs or bulk
- ▶ In polystyrene
- ▶ 2 formats of tubes: 25x95 or 28.5x95 mm

CAT. NO.	Dimensions (mm)	Bottom	Raw material	Case	Internal packaging	Sale unit
789001	Ø 25 x 95	self standing	polystyrene	Rack	100	500
789002	Ø 28.5 x 95	self standing	polystyrene	Rack	100	500
789008	Ø 25 x 95	self standing	polystyrene	Bulk	-	500
789009	Ø 28.5 x 95	self standing	polystyrene	Bulk	-	500



You can find all Drosophila accessories on Dutscher's catalogue, chapter "Tubes and Rack"

CAPS

Polyethylene stoppers with wings

- ▶ For Ø12 or Ø16 mm tubes
- ▶ With wings
- ▶ In polyethylene
- ▶ 8 colors available



Color	Ø 12 mm CAT. NO.	Ø 16 mm CAT. NO.
neutral	BSA062	BSA063
light blue	BSA062/AZ	BSA063/AZ
white	BSA062/B	BSA063/B
blue	BSA062/BLU	BSA063/BLU
yellow	BSA062/G	BSA063/G
pink	BSA062/RA	BSA063/RA
red	BSA062/RO	BSA063/RO
green	BSA062/V	BSA063/V
Internal Packaging	bag / 1000	bag / 1000
Sale unit	case / 20000	case / 10000

Security stoppers for tubes

- ▶ For Ø12 mm tubes
- ▶ Safety closure
- ▶ In polyethylene
- ▶ 5 colors available



Color	CAT. NO.	Tubes	Internal packaging	Sale unit
white	BSO100	BSA059V BSA059V/P BSA0592	bag / 1000	case / 12000
blue	BSO100/BLU		bag / 1000	case / 12000
green	BSO100/V		bag / 1000	case / 12000
grey	BSO100/GR		bag / 1000	case / 12000
red	BSO100/RO		bag / 1000	case / 12000

Polyethylene stoppers

- ▶ For Ø12 or Ø16 mm tubes
- ▶ In polyethylene
- ▶ 7 colors available



Color	Ø 12 mm CAT. NO.	Ø 16 mm CAT. NO.
red	BSO036	BSO025
white	BSO037	BSO026
yellow	BSO038	BSO027
dark green	BSO039	BSO028
light blue	BSO040	BSO029
blue	BSO041	BSO030
pink	BSO043	BSO032
Sale unit	case / 4000	case / 10000

White R.I.A. stoppers

White R.I.A. stopper in polyethylene, Ø 11 mm for BSA060.



CAT. NO.	Diameter (mm)	Raw material	Internal packaging	Sale unit
BSA061	Ø 11	polyethylene	bag / 1000	case / 3000

Vacustopper™



- ▶ In polyethylene Ø 13 mm
- ▶ For vacuum tubes reclosing or for sorwall test-tubes Ø 12 and 13 mm
- ▶ internal shape to allow the cap to join the tube internally
- ▶ Suitable with vacuum tubes: BD Vacutainer®, Venosafe®, Vacuette® Greiner-Bio One®

CAT. NO.	Diameter (mm)	Raw material	Internal packaging	Sale unit
BSO113	Ø 13	polyethylene	bag / 1000	case / 4000

CRYOGENIC STORAGE BOXES FOR VACUUM TUBES

- ▶ To meet the demand of lab safety and ISO 15189 standard, We now launch the cryogenic storage box for vacuum tubes after analyzed, It makes the work for blood specimen aftertreatment faster, easier, and safer. It's the ideal choice for laboratory safety and quality control
- ▶ According to different sealing method, it can be divided into three types: Silicagel pad, Sticky foam pad and no pad with the tube cap on
- ▶ For different clinical department, Testing items and date, We prepared 6 different colors for each of the three kinds of box: Red, Orange, Yellow, Green, Blue and Purple
- ▶ According to the tube size, each of the three types can match with tubes of two specifications: Ø13x75mm and Ø13x100mm
- ▶ To avoid any inconvenience caused by unnormal label (like multi-layer label, turnup label or corrugated label) or non-standard bigger diameter tube



1. Press down the cover slightly, the box will automatically lock and seal, one light press on the detachable design allows it to be used as a test tube rack.
2. Moulded code no of 1-100, convenient for locating the samples.
3. Multi-color label, Easy to write related information and put on the box.

5. Hidden handle design, brief and delicate.
6. Particular locating slot design makes boxes stack available without moving or sliding.
7. Convenient to put or take out tubes with unnormal label (like multi-layer label, turnup label or corrugated label, or tubes with big diameter less than Ø14mm).

CAT. NO.	Description	Sale unit
BSP278	CryoGenic storage box for 13x75 mm Vacuum Tubes, 100 places, sticky foam pad, 6 colours available	6
BSP277	CryoGenic storage box for 13x100 mm Vacuum Tubes, 100 places, sticky foam pad, 6 colours available	6

RACKS

50 places racks

Abs stackable rack with alphanumerical grid

- ▶ In ABS
- ▶ Stackable
- ▶ With alphanumerical grid
- ▶ White
- ▶ 50 Places



CAT. NO.	Places	Ø (mm)	dim. (mm)	h (mm)	Color	Sale unit
BSP213	50	13.0	210 x 102	50	White	12
BSP217	50	17.0	240 x 110	53	White	12

Racks for haemolysis tubes

- ▶ Made of polypropylene
- ▶ For tubes of Ø 13, 16, 20, 25 and 30 mm
- ▶ Supplied flat
- ▶ Stackable
- ▶ Marking area on the two lengths
- ▶ Autoclavable
- ▶ Alphanumeric referencing on the tray
- ▶ 4 colours available: white, blue, yellow, red



For Tubes Ø	Tubes number	L x l x h (mm)	white	blue	yellow	red
13 mm	90 (6 x 15)	246 x 105 x 64	391074	391075	391076	391077
16 mm	60 (5 x 12)	246 x 105 x 72	391078	391079	391080	391081
20 mm	40 (4 x 10)	246 x 105 x 72	391082	391083	391084	391085
25 mm	40 (4 x 10)	295 x 125 x 85	391086	391087	391088	391089
30 mm	24 (3 x 8)	300 x 112 x 85	391090	391091	391092	391093
Sale unit			1	1	1	1

Box for tubes 15, 20, 30 and 50 mL with lid

Rigid boxes composed of a coloured support fixed onto a translucent bottom and a translucent covering lid for complete observation of the tubes.

- ▶ For tubes of 15, 20, 30 and 50 mL
- ▶ Can be used from -5 °C to +125 °C
- ▶ With numbering index

CAT. NO.	L x d x h (mm)	Tube Ø (mm)	Volume (mL)	Number of holes	Colours	Sale unit
064201	148 x 148 x 129	17	15	36	green	2
064202	148 x 148 x 60	30	20	16	mauve	2
064203	148 x 148 x 91	30	30	16	orange	2
064204	148 x 148 x 129	30	50	16	pink	2



Rack for 15 mL and 50 mL tubes

- ▶ For 25 tubes of 50 mL or 50 tubes of 15 mL
- ▶ Autoclavable at 121 °C
- ▶ Can be frozen at -80 °C
- ▶ Stackable
- ▶ Snap-on



Tubes (ml)	Natural	White	Yellow	Orange	Red
15	949000	949001	949002	949003	949004
50	949009	949010	949011	949012	949013
Sale unit	5				

Tubes (ml)	Violet	Blue	Green	Assorted
15	949005	949006	949007	949008
50	949014	949015	949016	949017
Sale unit	5			

5ml / 15 mL tube rack

- ▶ 2 moving hinged upper shelves able to hold 5 mL or 15 mL tubes (up to 16 mm in diameter)
- ▶ Tear drop shaped openings for a better retention of tubes
- ▶ Imprinted grid of both sides of the upper shelves
- ▶ Dimensions : 30,9 x 10,7 x 7,7 cm
- ▶ Autoclavable at 121 °C for 15 min.



CAT.NO	Description	Color	Sale unit
320532	5ml / 15 mL tube rack, 40 wells	purple white	1
320533	5ml / 15 mL tube rack, 40 wells	green blue	1

Racks for 15 and 50 mL tubes

- ▶ In polypropylene
- ▶ Autoclavable at +121 °C
- ▶ Temperature range -80 °C



CAT. NO.	Description	dim. (mm)	Sale unit
049730	Blue rack for 18 tubes of 15 ml	122 x 88 x 70	1
049731	Blue rack for 6 tubes of 50 ml	122 x 88 x 70	1
049732	Blue rack for 12 tubes of 50 ml	234 x 88 x 70	1

Acetal multi-racks

- ▶ 3 models for tubes of 13, 16 or 30 mm
- ▶ Made from a highly resistant acetal based polymer
- ▶ Autoclavable from 20 °C to 120 °C
- ▶ L x w x h: 293 x 115 x 65 mm



Ø (mm)	Tubes Capacity	Blue	Green	Mauve	Orange	Yellow
13	84	039837	039838	039839	039840	039841
16	60	039842	039843	039844	039845	039846
30	18	039847	039848	039849	039850	039851
Sale Unit		1				

Reversible multi-sided racks

A large choice of configurations. The reversible racks can be used to store all diameters of tubes, microtubes, cryotubes. The choice of multiple colours enables preparations to be organised and tubes to be identified on the lab bench. Made from autoclavable polypropylene, they can tolerate water-baths and freezing.

4 possible configurations:

- Configuration A: 4 sides for:**
- ▶ 32 microtubes 0.5 mL
 - ▶ 32 microtubes 1.5 mL or tubes ø 12 mm
 - ▶ 12 conical tubes 15 mL ø 17 mm
 - ▶ 4 conical tubes 50 mL ø 30 mm
 - ▶ L x w x h: 89 x 50 x 17 mm.

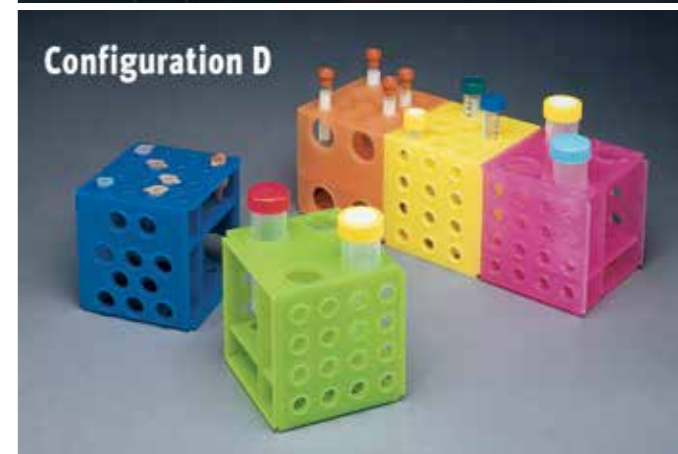
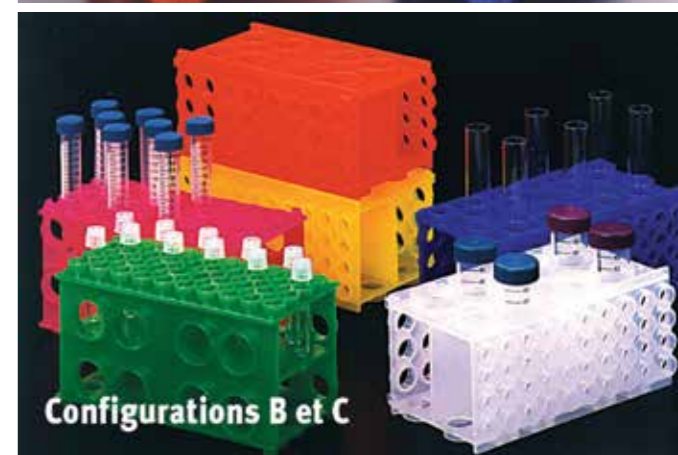
- Configuration B: 4 sides for:**
- ▶ 8 conical tubes 50 mL ø 30 mm
 - ▶ 20 tubes ø 20 mm
 - ▶ 24 conical tubes 15 mL ø 17 mm
 - ▶ 40 tubes ø 13 mm
 - ▶ L x w x h: 195 x 100 x 100 mm.

- Configuration C: 4 sides for:**
- ▶ 12 tubes ø 25 mm
 - ▶ 20 tubes ø 20 mm
 - ▶ 24 conical tubes 50 mL ø 17 mm
 - ▶ 40 tubes ø 13 mm
 - ▶ L x w x h: 195 x 100 x 100 mm.

- Configuration D: 4 sides for:**
- ▶ 4 conical tubes 50 mL ø 30 mm
 - ▶ 10 conical tubes 15 mL ø 17 mm
 - ▶ 12 tubes ø 12 mm
 - ▶ 16 microtubes 1.5 mL or 2 mL
 - ▶ L x w x h: 195 x 100 x 100 mm.

Color	Configuration A	Configuration B	Configuration C	Configuration D
natural	037559	0455430	-	-
blue	037560	0455431	045439	-
green	037561	0455432	045440	-
orange	037562	0455433	045441	-
pink	037563	0455434	045442*	-
yellow	037564	0455436	-	-
violet	-	-	045438	-
mix 5 color	037565	045437	045443	037572

*red



Barrel rack

Rack with pivoting modules like a barrel. Can be used as simple module or snapped on. Block of four racks in green, blue, red and yellow colours.

- ▶ Dimensions: 108 x 108 x 69 mm
- ▶ Made from polypropylene
- ▶ Autoclavable with caution
- ▶ Temperature range -80 °C to +121 °C
- ▶ Capacity: 2 tubes 50 mL, 8 tubes 15 mL, 12 microtubes 1.5 mL or 2 mL maximum diameter 11 mm, 6 microtubes 0.5 mL maximum diameter 8 mm, one PCR plate using two modules, 6 strips of 8 PCR microtubes per module, 8 strips of 12 PCR tubes on 2 modules, 48 PCR microtubes on 1 module

CAT. NO.	Description	Sale unit
048021	Barrel rack	1
048021B	ECO rotator workstation	1





E.S.R. SYSTEM

For more details please visit:
<http://www.biosigma.com/e-s-r-system.html>

The Erythrocyte Sedimentation Rate (ESR) is a non-specific test that alerts physicians to the possible presence of body diseases or abnormalities. The ESR is determined by measuring, in millimeters per hour, the distance red cells have fallen after separating from the plasma in a vertical sed-rate pipette. The manual test takes 60 minutes to completed.

E.S.R. SYSTEM

E.S.R. PIPETTES

E.S.R. glass pipette

The glass pipette can be used to withdraw blood from any kind of test-tube. Direct suction system to allow the lab-technician, by pulling the internal piston upwards, to let the blood column reach the "0" level, with automatic stop. The pipette is graduated from "0" to "180", with a transparent background for immediate reading. The rack can hold ten pipettes in pre-numbered position and ensures every pipette a perfectly vertical position.

- ▶ Transparent glass tube
- ▶ Graduation 0-180 ml
- ▶ With a polyethylene piston

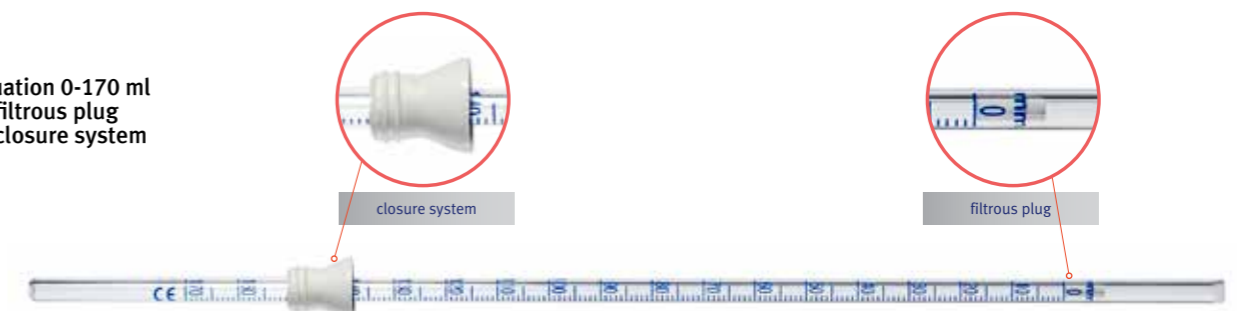


CAT. NO.	Description	Dimensions (mm)	Graduation (mm)	Scale distance (mm)	Internal pack	Sale unit
BSV012	E.S.R. glass pipette, graduated, with a polyethylene piston	L 210, Ø 4.45	0 - 180	10	case / 500	case / 2000

E.S.R. plastic pipettes

The polystyrene pipette is graduated from 0 to 170mm and features a unique fibrous plug located at the zero mark. The plug is specifically designed to be a self-sealing aerosol barrier that stops hazardous substances from escaping through the top of the pipette.

- ▶ Graduation 0-170 ml
- ▶ With fibrous plug
- ▶ With closure system



CAT. NO.	Description	Dimensions (mm)	Graduation (mm)	Internal pack	Sale unit
BSV0123P	E.S.R. plastic pipette graduated with an aspirator	L 230, Ø 4.45	0 - 170	case / 200	case / 800

E.S.R. TUBES

NA Citrate test tube ideal for E.S.R. System



CAT. NO.	Description	Sale unit
BSV0121	NA Citrate Tube 0.106 ml/ESR, 12x55 mm with a black pierceable cap, in polypropylene	1000
BST128	E.S.R. TUBE with 0,25 ml NA Citrate, for 1 ml of blood, Ø 12 x 56 mm, pink stopper, labelled, with no pierceable stopper, in polypropylene. Double arrow indicative at 1 ml and 2.25 ml.	1500

E.S.R. RACKS

10-PLACE RACK WITH PIPETTE SUPPORT CLAMPS
 This unique rack features support clamps that hold the pipettes in a perfectly vertical position.

- ▶ In ABS
- ▶ 10 places
- ▶ White color
- ▶ With support camps



Rack

CAT. NO.	Description	Raw material	Internal packaging	Sale unit
BSV011	10-place E.S.R. rack in ABS	ABS	1	5



RAPID TESTS

For more details please visit:
<http://www.biosigma.com/rapid-tests.html>

RAPID TESTS

FECAL OCCULT BLOOD TEST

A rapid, one step test for the qualitative detection of Human Occult Blood in feces.

- ▶ Rapid chromatographic immunoassay for the qualitative detection of Human Occult Blood in feces
- ▶ For professional in vitro diagnostic use only
- ▶ CE marked



Fecal occult blood device

CAT. NO.	Description	Sample	Sensitivity	Sale unit
BSD680	Test in card + Bottle with buffer solution for dilution of stool sample.	feces	50 ng/ml	25

The Transferrin/FOB Combo Rapid Test Cassette is a rapid chromatographic immunoassay (non-invasive assay) for the qualitative detection of human hemoglobin and transferrin in human feces specimens, which might be useful for the diagnosis of bleeding gastrointestinal disorders.

Detection of fecal transferrin, which is more stable in stool than hemoglobin, provides an alternative way of diagnosing the disease in the upper digestive tract.



Fecal occult blood device and transferrin

CAT. NO.	Description	Sample	Sensitivity	Sale unit
BSD933	FOB + Transferrin Combo rapid test cassette	feces	FOB 50 ng/ml TRAS 40 ng/ml	25

CALPROTECTIN

- ▶ For professional in vitro diagnostic use only
- ▶ CE marked



CALPROTECTIN

CAT. NO.	Description	Sample	Sale unit
BSD920	Rapid test for the determination of fecal calprotectin	feces	10

PSA-CHECK-1

The PSA-CHECK-1 test is a rapid qualitative assay for the detection of Human PSA (free form or complexed with α -1-antichymotrypsin) in plasma, serum or whole blood.
This test is designed for in vitro diagnostic use only.



PSA

CAT. NO.	Infectious agent	Sample	Features	Sale unit
BSD650	Prostate specific antigen	Serum, Plasma, whole blood	PSA: Immunochromatographic rapid test for the semi-quantitative detection of prostate specific antigen	20

RAPID TESTS

PREGNANCY RAPID TESTS

The hCG One Step Pregnancy Test Device (Urine/Serum) is a rapid chromatographic immunoassay for the qualitative detection of human chorionic gonadotropin in urine or serum to aid in the early detection of pregnancy.

The hCG One Step Pregnancy Test Device (Urine/Serum) is a preliminary qualitative test, therefore, neither the quantitative value nor the rate of increase in hCG can be determined by this test.

The test contains anti-hCG particles and anti-hCG coated on the membrane.

For professional in vitro diagnostic use only.

hCG test in card

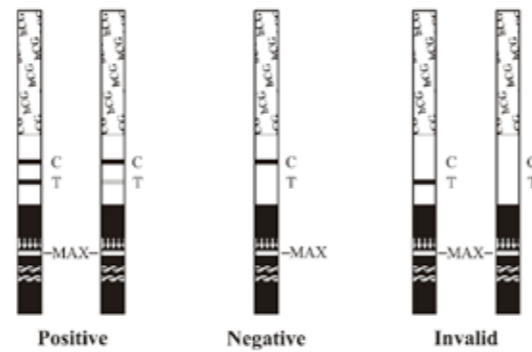
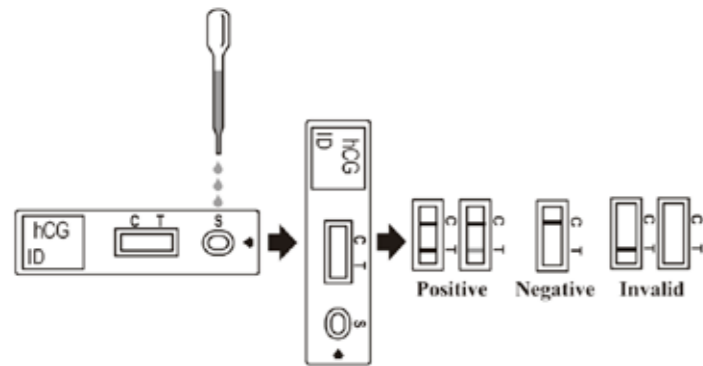


Card

Hcg test in strip



Strip



CAT. NO.	Description	Sample	Sensibility	Sale unit
BSD525	Fast-Step hCG in card	Serum-Urine	25 mIU/ml	40

CAT. NO.	Description	Sample	Sensibility	Sale unit
BSD5250	Fast-Step hCG in strip	Serum-Urine	25 mIU/ml	50

Cardiac marker rapid test

Cardiac marker rapid test, CE Marked

CAT. NO.	Sample	Description	Sale unit
BSD937	Whole blood Serum Plasma	H-Fabp Rapid test cassette. Cut-off 8ng/ml	10
BSD938	Whole blood Serum Plasma	H-Fabp + cTnI Combo Test cassette. Cut-off Hfabp 8ng/ml + Troponin 0.5ng/ml	10



BSD937

BSD938

RAPID TESTS

ONE STEP DRUG SCREEN TEST DEVICE (URINE)

A rapid, one step screening test for the simultaneous, qualitative detection of drugs and drug metabolites in human urine or saliva. Tests for drugs of abuse range from simple immunoassay tests to complex analytical procedures. The speed and sensitivity of immunoassays have made them the most widely accepted method to screen urine or saliva for drugs of abuse. The One Step Drug Screen Test Device is a lateral flow chromatographic immunoassay for the qualitative detection of drugs and drug metabolites in urine or saliva.

For medical and other professional in vitro diagnostic use only.

Single parameter test

Urine

CAT. NO.	Drug	Cut-off ng/ml	Sale unit
BSD700	MOP Morphine	300	40
BSD701	THC Marijuana	50	40
BSD702	COC Cocaine	300	40
BSD703	AMP Amphetamine	300	40
BSD704	MET Methamphetamine	500	40
BSD706	BAR Barbiturates	300	40
BSD707	BZO Benzodiazepine	300	40
BSD708	MTD Methadones	300	40
BSD709	MDMA Methylenedioxyamfetamin	500	40
BSD730	BUP Buprenorphine	10	40
BSD7101	KET Ketamine	1000	40
BSD930	CAF Caffeine	1000	50
BSD932	LSD LySergic Acid Diethylamide	20	40
BSD934	CAT Cathine	150	40
BSD935	COT Cotinine	200	50
BSD936	ETG EthylGlucuronide	1000	40



Multi-drug test

Urine

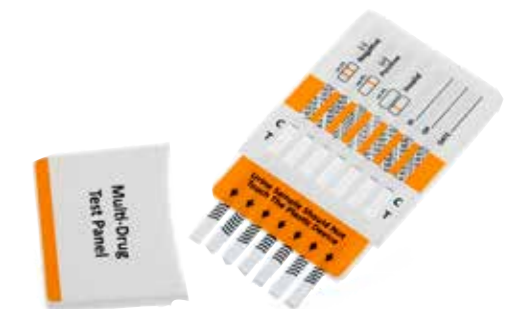
CAT. NO.	Parameter number	Drug	Cut-off ng/ml	Sale unit
BSD711	5	AMP Amphetamine	1000	25
		COC Cocaine	300	
		THC Marijuana	50	
		MET Methamphetamine	1000	
		MOP Morphine	300	
BSD714	10	AMP Amphetamine	1000	25
		COC Cocaine	300	
		THC Marijuana	50	
		BZO Benzodiazepine	300	
		TCA Tricyclic antidepressants	1000	
		BAR Barbiturates	300	
		MET Methamphetamine	1000	
		MOP Morphine	300	
		MTD Methadone	300	
		MDMA Methylenedioxyamfetamin	500	
BSD716	12	AMP Amphetamine	1000	25
		COC Cocaine	300	
		THC Marijuana	50	
		MET Methamphetamine	1000	
		OPI Opium	2000	
		PCP Phencyclidine	25	
		BZO Benzodiazepine	300	
		TCA Tricyclic antidepressants	1000	
		BAR Barbiturates	300	
		MDMA Methylenedioxyamfetamin	500	
		MTD Methadone	300	
		MOP Morphine	300	



BSD711/BS714/BS716

Urine immersion

CAT. NO.	Parameter number	Drug	Cut-off ng/ml	Sale unit
BSD770	7	AMP Amphetamine	500	25
		COC Cocaine	300	
		THC Marijuana	50	
		MET Methamphetamine	500	
		MTD Methadone	300	
		MDMA Methylenedioxyamfetamin	500	
		MOP Morphine	300	
BSD778	8	MTD Methadone	300	25
		MDMA Methylenedioxyamfetamin	500	
		COC Cocaine	300	
		AMP Amphetamine	500	
		MET Methamphetamine	500	
		THC Marijuana	50	
		MOP Morphine	300	
		BUP Buprenorphine	10	



BSD770

Saliva

CAT. NO.	Par. no.	Drug	Cut-off ng/ml	Sale unit
BSD931	6	OPI Opium	40	25
		COC Cocaine	30	
		AMP+ALCOHOL Amphetamine + Alcohol	40	
		MET Methamphetamine	40	
		MDMA Methylenedioxyamfetamin	50	
		THC Marijuana	25	



BSD931

INFECTIOUS DISEASES

Immunochromatographic rapid test for the detection of infectious diseases.

All reagents and materials coming in contact with potential infectious specimens must be treated with appropriate disinfectants or autoclaved at 121°C for at least one hour.

These tests are designed for in vitro diagnostic use only.

Virus

CAT. NO.	Infectious agent	Sample	Features	Sale unit
BSD585	DUO ROTA-ADENOVIRUS	Feaces	for the qualitative feaces detection of DUO ROTA-ADENOVIRUS antigen	20
BSD586	ADENOVIRUS	Feaces	for the qualitative feaces detection of ADENOVIRUS antigen	20
BSD587	ROTAVIRUS	Feaces	for the qualitative feaces detection of ROTAVIRUS antigen	20
BSD613	MONONUCLEOSIS	Serum, Plasma, whole blood	Immunochromatographic rapid test for the detection of infectious Mononucleosis antibodies	20



BSD585



BSD613

Bacteria

CAT. NO.	Infectious agent	Sample	Features	Sale unit
BSD594	TUBERCULOSIS	Serum, Plasma, whole blood	for the detection of human antibodies (IgA, IgG, IgM) to Koch's bacillus	20
BSD598	A+B CLOSTRIDIUM	Feaces	for the qualitative feaces detection of toxin A and B of Clostridium Difficile, due to antibody polyclonal binding antitoxin A and B.	20
BSD599	TETANUS	Serum, Plasma, whole blood	for qualitative detection of tetanus antitoxin antibodies. The assay is intended for helping anti-tetanus prophylaxis for patients at risk of tetanus	20
BSD600	CHLAMIDIA	Female: cervical swab Male: Urethral swab, urine	for the detection of CHLAMIDIA trachomatis	20
BSD630	H-PYLORI	Serum, Plasma	Immunochromatographic rapid test for the detection of H-PYLORI antibodies	40
BSD632	H-PYLORI	Feaces	for the qualitative feaces detection of H-PYLORI	20
BSD712	SYPHILIS	Serum, Plasma	for the detection of antibodies (IgG and IgM) to Treponema pallidum (SYPHILIS)	40
BSD715	STREPTOCOCCUS A	Pharyngeal swab	for the qualitative detection of Strep A antigen. Kit with positive and negative controls	20



BSD630



BSD600



BSD715

PARASSITOLOGY

Biorepair system, parassitfecal. Biorepair system. Enrichment System for parassitology, with new reagent without formalin.

Kit includes:

- ▶ Empty Biotube with filter
- ▶ Biotube 3ml with reagent A : Bailenger-solution (Xi- irritant); 0.4 %; acetic acid; Sodium acetate 15 g/l, 0.05 % sodium azide; cap with spoon
- ▶ Reagent B 100ml (Ethyl Acetate)
- ▶ Reagent C 15ml (Lugol)



Biorepair

CAT. NO.	Description	Sample	Sale unit
BSD855/E	Biorepair, system parassit fecal	Feaces	50

URINE ANALYSIS

Strips are made for urinalysis of both qualitative and semi-quantitative, which are in vitro reagent for diagnostics. It tests Leukocytes, Nitrite, Urobilinogen, Protein, pH, Blood, Specific Gravity, Ketone (acetoacetic acid), Bilirubin, and Glucose in urine. Please refer to the out-side box carton and bottle label for the specific test parameters of the product you are using. The results on the strips can be read visually and instrumentally. *The strips are for professional use only.*

Urinalysis strip 10 parameters

CAT. NO.	Parameter	Sale unit
BSD7495G	LEUC	Leukocytes
	NIT	Nitrites
	UR	Urobilinogen
	PR	Proteins
	PH	PH
	BLOOD	BLOOD
	SG	Specific Gravity
	KET	Ketones
	BIL	Bilirium
	BLU	Glucose
		100



CONSUMABLES

Plastic cassette for rapid tests

CAT. NO.	Description	Sale unit
BSD335	for 3.9 mm strips free writing	2000
BSD330	for 3.9 mm strips with HCG writing	4000
BSD310	for 5 mm strips free writing	3000
BSD300	for 5 mm strips with HCG writing	6000

Pipette pasteur for card test

CAT. NO.	Description	Sale unit
BSV150	Pipette pasteur for card test-kit 40 µl	10000



BSD310

BSD335

BSV150



CONTAINERS

For more details please visit:
<http://www.biosigma.com/containers.html>

A wide range of containers for different uses such as urine, feces, sputum collector and waste containers.

Made of high quality raw materials and with accurate graduation.

CONTAINERS

URINE CONTAINERS WITH SCREW CAPS

Different styles of urine containers suitable for specimen collection and test requests. High tightness prevents any leakage and contamination during storage and transportation.

- ▶ In clear Polypropylene or Polystyrene
- ▶ Red or white cap
- ▶ Available sterile and single packed
- ▶ Frosted writing side or with label
- ▶ Clear graduation



CAT. NO.	Colour Cap	Volume (ml)	Diameter (ml)	Heigh (mm)	Sterile	Label	Frosted Side	Raw material	Internal packaging	Sale unit
BSC124	red	30	28.0	82.0			X	PP	in bulk	case / 700
BSC123	red	30	28.0	82.0	X		X	PP	single packed	case / 500
BSC660	white	60	37.5	65.0			X	PP	in bulk	case / 600
BSC665	red	60	37.5	65.0	X		X	PP	single packed	case / 500
BSC253	white	120	56.0	70.0			X	PP	in bulk	case / 300
BSC258	red	120	56.0	70.0	X		X	PP	single packed	case / 250
BSC195	red	200	59.0	85.0	X	X		PS	single packed	case / 150
BSC198	blue	200	64.0	90.0			X	PP	in bulk	case / 600
BSC199	red	200	64.0	90.0	X		X	PP	single packed	case / 200

FEACES CONTAINERS



- ▶ Feaces container
- ▶ In clear polypropylene or polystyrene
- ▶ With screw cap or pressure cap
- ▶ With frosted writing area or with label
- ▶ Available sterile single packed
- ▶ With spoon or paddle

CAT. NO.	Colour Cap	Volume (ml)	Caps	Spoon	Diameter (ml)	Heigh	Sterile	Graduated	Frosted Side	Raw material	Internal packaging	Sale unit
BSC128	red	30	screw	whit paddle	28.0	82.5		X	X	PP	in bulk	case / 700
BSC132	red	30	screw	whit paddle	28.0	82.5	X	X	X	PP	single packed	case / 500
BSC160	blue	18	pressure	with spoon	19.5	80.5				PS	bag / 250	case / 1500
BSC163	red	18	pressure	with spoon	19.5	80.5	X		Label	PS	bag / 250	case / 1000

SPECIMEN CONTAINERS



- ▶ Specimen container
- ▶ Manufactured in cristal polystyrene with high trasparency
- ▶ With polyethylene pressure cap
- ▶ Available also sterile and single packed
- ▶ Wide mouth for an easy use

CAT. NO.	Colour Cap	Volume (ml)	Caps	Spoon	Diameter (ml)	Heigh (mm)	Sterile	Raw material	Internal packaging	Sale unit
BSC105	white	30	pressure (aside)	-	33.5	39.5		PS	in bulk	case / 800
BSC146	blue	60	pressure (aside)	-	56.5	37.5		PS	in bulk	case / 400
BSC148	red	60	pressure	-	56.5	37.5	X	PS	bag / 100	case / 400

SURGICAL PART CONTAINERS

Shockproof polystyrene containers for surgical parts, with pressure closure.

CAT.NO.	Dimensions (mm Ø)	Volume (ml)	Printing	Sale unit
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
BSC2525	200 x 215	5000		40



24-HOUR CONTAINERS

Tank for 24H urine collection with screw cap and plug for easy sampling. Graduated from 200 to 2500 ml with increments of 100 ml

- ▶ In polyethylene
- ▶ Graduated
- ▶ With handle
- ▶ 2500 ml



CAT. NO.	Model	Vol. (ml)	Grad.	Handle	Dimensions (mm)	Sale unit
BSL483	Bottle	2500	X	X	Ø 130 x 250	case / 30
BSL486	Tank Rectangular	2500	X	ergonomic	245 x 110 x 160	case / 30

Square container for 24H urine collection. With screw cap for collection device for vacuum tubes and sampling probe 185 mm

- ▶ In polyethylene
- ▶ Graduated
- ▶ With handle
- ▶ 3000 ml
- ▶ Cap for collection
- ▶ Collecting cannula 20 cm



CAT. NO.	Model	Vol. (ml)	Grad.	Handle	Raw Material	Sale unit
BSL489	Tank Rectangular	3000	X	X	polyethylene	case / 30

VACUUM URINE CONTAINERS

Vacuum urine container 120 ml in polypropylene with screw cap, with frosted side



CAT. NO.	Volume (ml)	Sterile	Raw Material	Internal packaging	Sale unit
BSC200	120	X	PP	Single packed	case / 250
BSC201	120		PP	Single packed	case / 250
BSC202	120		PP	in Bulk	case / 300

WATER SAMPLING BOTTLES

Labeled containers in PETG for water sampling. With or without sodium thiosulfate.



CAT. NO.	Volume (ml)	Sodium Thiosulphate	Label	Sterile	Sale unit
BLP001	500	X	X	X	case / 120
BLP002	500		X	X	case / 120
BLP003	1000	X	X	X	case / 72
BLP004	1000		X	X	case / 72

WASTE CONTAINERS

The BS series consists of three measures of disposable containers and puncture-proof double superimposed shell for the disposal of pointy and sharp waste. They are fitted with indents for the removal of the needle and arranged for a temporary or permanent closure by affixing a seal on the side of the opening. The square base makes the containers extremely stable and easy to assemble thanks to the system of the two shells.

- ▶ In polypropylene
- ▶ Excellent stability
- ▶ Easy connection installation of the two shells
- ▶ Extremely simple to use
- ▶ Temporary and definitive closure with the pin
- ▶ No emission of harmful gases during incineration
- ▶ Indication of the filling level
- ▶ Availability of table stands, wall or adapt to cart



Rectangular BS series

CAT. NO.	Volume (l)	Dimensions (cm)	Raw Material	Sale unit
BSC300	1.5	11 x 12 x 12	PP	case / 50
BSC301	3.0	14 x 17 x 17	PP	case / 50
BSC302	6.0	22 x 18 x 18	PP	case / 50

The PBS line includes round shape disposable and puncture resistant containers for the disposal of sharp and cutting waste, available in sever sizes. The conical shape and the the indent on the lid ease the needle disposal and removal, whilst the anti-defluxion flow wings on the lid prevent the waste outflow. All the models have temporary and definite closure and are fitted with solid handle; the most voluminous model is fitted with an ergonomic handle for an easy use.

- ▶ In polypropylene
- ▶ Ergonomic handle for the more spacious models
- ▶ Anti-defluxion wings to prevent the outflow of the waste
- ▶ Mechanism for unhooking insulin needles
- ▶ Maximum filling level indicator
- ▶ Various supports available
- ▶ No emission of any harmful gasses during the incineration process



Conical PBS line

CAT. NO.	Volume (l)	Dimensions (cm)	Raw Material	Sale unit
BSC303	0.8	H 18,4 x Ø 10.0	PP	case / 100
BSC304	5.0	H 19.5 x Ø 21.3	PP	case / 55
BSC305	2.0	H 21.0 x Ø 14.0	PP	case / 75
BSC312	12.0	H 31.0 x Ø 24.8	PP	case / 25

The DISPO line is composed of disposable and puncture-proof containers with conical shape bodies. The permanent and inviolable closure that prevents waste leakage and the high container resistance guarantee top quality and safety. All of the models have temporary and permanent closures, a wide opening for the disposal of larger materials, and three indents for the needles and insulin pen removal

- ▶ In polypropylene
- ▶ Excellent stability with suction cuo support use
- ▶ Easy to assemble
- ▶ Practical opening system
- ▶ Indents for needles and insulin pen removal
- ▶ Wide opening for larger material disposal
- ▶ Maximum filling level indicator
- ▶ No emission of any harmful gas during the incineration process
- ▶ Temporary and permanent closure



Conical DISPO line with rapid closure cap

CAT. NO.	Volume (l)	Dimensions (cm)	Raw Material	Sale unit
BSC306	4.0	H 25.0 x Ø 16.9	PP	case / 40



TRANSPORT LINE

For more details please visit:
<http://www.biosigma.com/transport-line.html>

TRANSPORT LINE

TRANSPORT LINE FOR BIOLOGICAL SAMPLES

Transport bags Suitable for secondary container CTP

System of transport and protection of biological samples by safety containers. UN3373 - Biological Material Category "B", non autoclavable, sterilizable on cold

- ▶ External in Polyester 600/900 PVC coated.
- ▶ Inner in Nylon 210/210 PVC coated.
- ▶ Semi-rigid structure insulating with padding in Elastolen. Zipper closure.
- ▶ Inside pocket for the cooling element
- ▶ External pocket for documents.
- ▶ Symbols: UN3373 - Biological Material Category "B"
- ▶ Easy transport thanks to light weight and shoulder strap (only reference BS130414)
- ▶ Disinfectable with aqueous solutions of the most common disinfectants
- ▶ Can be sterilized with aqueous solutions of cold sterilants
- ▶ Washable at 40 °C
- ▶ Blue color



BS130413

BS130414

BS720204

CAT. NO.	Suitable for:	Dimensions (cm)	Internal pocket for	Sale unit
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	3 cooling elements	1

Transport Container (CTP) for tubes

Transport container for blood collecting tubes or urine containers. Supplied with foam insert for 78 tubes

- ▶ In polypropylene
- ▶ With silicone sealing
- ▶ With foam insert up 78 tubes
- ▶ With absorbent polymer pad
- ▶ Storage temperature from - 18°C to +50°C
- ▶ Conformity to P650 (ADR 2003, Chap. 4.1.4.1), EN 829



Tube Transport Container (CTP)

CAT. NO.	Description	Dimensions (mm)	Sale unit
BS472041	Transport Container (CTP) for 78 tubes	310 x 155 x 180	1

Duplex racks

Reversible Rack for 84 blood collection tubes or 42 blood collection tubes + 4 for urine containers

- ▶ Suitable for BS472041 Transport Container for tubes (CTP)
- ▶ In Polypropylene
- ▶ Disinfectable and autoclavable up to 121 °C
- ▶ Blue color



Reversible rack

CAT. NO.	Description	Dimensions (mm)	Sale unit
BS00102	Reversible Rack for 84 blood collection tubes or 42 blood collection tubes + 4 for urine containers	270 x 125 x 110	1

Racks in absorbent foam



BS390078

BS390079

For BS472041 secondary container in polyurethane

CAT. NO.	Holes	Suitable for:	Transport	Dimensions (cm)	Sale unit
BS390078	78	secondary container BS472041	tubes	28 x 12.8 x 6	1
BS390079	6	secondary container BS472041	urine containers, bottles	28 x 12.8 x 6	1
BS390080	18	secondary container BS472041	histology containers	28 x 12.8 x 6	1

TRANSPORT LINE IN ACCORDANCE WITH ADR NORMS

Bags for secondary container transport in accordance with ADR norms

System of transport and protection of biological samples by safety containers, in accordance with ADR European norms. non autoclavable, sterilizable on cold



- ▶ External in Polyester 600/900 PVC coated
- ▶ Inner in Nylon 210/210 PVC coated
- ▶ Semi-rigid structure insulating with 8 mm padding in Elastolen
- ▶ Zipper closure
- ▶ Inside pocket for the cooling element
- ▶ External pocket for documents
- ▶ Symbols: UN3373 - Biological Material Category "B"
- ▶ Disinfectable with aqueous solutions of the most common disinfectants
- ▶ Can be sterilized with aqueous solutions of cold sterilants
- ▶ Washable at 40 ° C
- ▶ Blue color

CAT. NO.	Suitable for:	Dimensions (cm)	Internal pocket for	Sale unit
BS720201	1 container BS472040 40 tubes	28 x 18 x 21	1 cooling element	1
BS720202	2 containers BS472040 80 tubes	32 x 30 x 22	2 cooling elements	1
BS720203	3 containers BS472040 120 tubes	43 x 30 x 20	3 cooling elements	1
BS720206	6 containers BS472040 240 tubes With shoulder strap	42 x 30 x 38	4 cooling elements	1
BS720205	1 container BS800110 12 tubes	Ø12 x 15	-	1

VACUETTE® Transport Box (VTB)

Secondary container for biological sample transport. The VACUETTE® Transport Box ensure the safe transport of sample material from the collection point right up to analysis in the laboratory. The VACUETTE® Transport Box can store 40 tubes

- ▶ In polypropylene
- ▶ With silicone sealing
- ▶ With foam insert for up to 40 tubes
- ▶ With absorbent polymer pad
- ▶ Storage temperature from - 18°C to +50°C
- ▶ In accordance with ADR/RID, IATA-DG, ICAO-Code and IMDG-Code



VACUETTE® Transport Box (VTB)

CAT. NO.	Description	Dimensions (mm)	Sale unit
BS472040	Secondary container for biological sample transport	270 x 125 x 180	1

Racks in absorbent foam for secondary containers

For BS800110 secondary container in polyurethane

CAT. NO.	Holes	Suitable for:	Transport	Dimensions (cm)	Sale unit
BS800101	12	BS800110	tubes	Ø 10.5 x 6.8	1

For BS472040 secondary container in polyurethane

CAT. NO.	Holes	Suitable for:	Transport	Dimensions (cm)	Sale unit
BS472007	40	for secondary container BS472040	tubes	21,8 x 9 x 6.8	1
BS472008	3	for secondary container BS472040	urine containers, bottles	21,8 x 9 x 6.8	1
BS472009	8	for secondary container BS472040	urine containers, bottles	21,8 x 9 x 6.8	1



BS800101



BS472007

BS472008

BS472009

Cylindrical container for 12 tubes

CAT. NO.	Description	Dimensions (mm)	Sale unit
BS800110	Container for 12 tubes	Ø113 h 1180	1

VACUETTE® Transport Container (VTC)

VACUETTE® Transport Containers ensure the safe transport of biological substance (UN 3373) CATEGORY B from the collection point right up to analysis in the laboratory. The VACUETTE® Transport Containers can store twelve tubes and are available with or without shipping box.

- ▶ Screw cap container for 12 tubes in polypropylene
- ▶ For tubes of 13x75, 13x100, 16x100 mm with foam insert
- ▶ Non sterile
- ▶ With absorbent pad
- ▶ Foam insert with 12 places for the primary containers
- ▶ In accordance with ADR/RID, IATA-DG, ICAO-Code and IMDG-Code



TRANSPORT LINE FOR CHEMOTHERAPEUTICS SAMPLES

Transport bags for chemotherapeutics samples, suitable for secondary container CTP

- ▶ In conformity with the guidelines of the Official Gazette 236/99 for the transport of anticancer drugs (measure 5 August 1999)
- ▶ External in Polyester 600/900 PVC coated
- ▶ Inner in Nylon 210/210 PVC coated
- ▶ Semi-rigid structure insulating with 8 mm padding in Elastolen
- ▶ Zipper closure
- ▶ Inside pocket for the cooling element
- ▶ External pocket for documents
- ▶ Easy transport thanks to light weight and shoulder strap (only reference BS130414/C)
- ▶ Disinfectable with aqueous solutions of the most common disinfectants
- ▶ Can be sterilized with aqueous solutions of cold sterilants
- ▶ Washable at 40 ° C
- ▶ Blue color



Transport Container (CTP) for chemotherapeutics samples

Transport container for chemotherapeutics samples, supplied with foam insert for 78 tubes

- ▶ In conformity with the guidelines of the Official Gazette 236/99 for the transport of anticancer drugs (measure 5 August 1999)
- ▶ In polypropylene
- ▶ With silicone sealing
- ▶ Ermetic closure
- ▶ With foam insert up 78 tubes
- ▶ With absorbent polymer pad
- ▶ Storage temperature from - 18°C to +50°C



CAT. NO.	Capacity	Dimensions (cm)	Internal pocket for	Sale unit
BS130413/C	1 container BS472041	21 x 26 x 36	1 cooling element	1
BS130414/C	2 containers BS472041	28 x 40 x 36	2 cooling elements	1
BS130415/C	3 containers BS472041	61 x 38 x 27	3 cooling elements	1
BS720204/C	4 containers BS472041	35 x 38 x 39	3 cooling elements	1

CAT. NO.	Capacity	Dimensions (cm)	Sale unit
BS472041/C	Transport Container (CTP) for 78 tubes	310 x 155 x 180	1

Duplex racks for BS472041/C

Reversible Rack for 84 blood collection tubes or 42 blood collection tubes + 4 for urine containers

- ▶ Suitable for BS472041 Transport Container for tubes (CTP)
- ▶ In Polypropylene
- ▶ Disinfectable and autoclavable up to 121 °C
- ▶ Blue color



Reversible rack

CAT. NO.	Description	Dimensions (mm)	Sale unit
BS00102	Reversible Rack for 84 blood collection tubes or 42 blood collection tubes + 4 for urine containers	270 x 125 x 110	1

Racks in absorbent foam



BS390079

BS390078

For BS472041/C secondary container in polyurethane

CAT. NO.	Holes	Suitable for:	Transport	Dimensions (cm)	Sale unit
BS390078	78	secondary container BS472041/C	tubes	28 x 12.8 x 6	1
BS390079	6	secondary container BS472041/C	urine containers, bottles	28 x 12.8 x 6	1
BS390080	18	secondary container BS472041/C	histology containers	28 x 12.8 x 6	1

TERTIARY CONTAINERS FOR BLOOD COMPONENTS

Bags for blood component and biological sample transportation, suitable for blood- bag secondary containers

Designed and manufactured for the transport of units of whole and worked blood characterized by:

- ▶ Very durable material that ensures a good resistance to knocks and accidental drops
- ▶ Padding that allows the maintenance of the initial internal temperature for 3-4 hours depending on the outside temperature
- ▶ Inside pocket for the cooling element
- ▶ Shoulder strap for easy transport by operators
- ▶ Prints in accordance with ADR (UN 3373, Biological Material category B, Transport Blood components)



Tertiary container for blood components transport

CAT. NO.	Suitable for:	Dimensions (cm)	Internal pocket for	Sale unit
BS720203/P	1 bag BS472045	43 x 34 x 20	1 cooling element	1
BS720205/P	1 bag BS472045	43 x 34 x 32	1 cooling element	1

Transport of blood bags

Bag designed for the transport of units of whole or worked blood characterized by:

- ▶ A double airtight seal that prevents the spreading of biological fluids
- ▶ Transparent material that allows the visualization of the contents, allowing the operator to monitor any broken blood bags
- ▶ Resistant material that provides good protection of the contents in the event of shocks or accidental falls
- ▶ Suitable for tertiary container BS720203/P and BS720205/P



CAT. NO.	Capacity	Dimensions (mm)	Sale unit
BS472045	20 whole blood bags or up to 40 worked blood bags	360 x 250 x 500	1
BS600601/S	6 whole blood bags or up to 15 worked blood bags	260 x 190 x 262	1

ACCESSORIES

Cooler Elements

Cool pad for transport containers



BS4800



BS4900

CAT. NO.	Description	Dimensions (mm)	Weight Kg	Sale unit
BS4800	Cool Pad for VTC (BS720205)	Ø 110	0,05	1
BS4900	Cooler Pack for VTB (BS472040)	L220 x W120 x H11	0,245	1

Refrigerated container for single tubes

Refrigerated container for maintaining and transporting blood at original conditions, 16 x 100 mm.



CAT. NO.	Description	Dimensions (mm)	Internal packaging	Sale unit
BSM570	Refrigerated container	16 x 100	4	16

Specimen transport bags

- ▶ Transparent polyethylene
- ▶ 7 different colours available
- ▶ Large printed biohazard graphic and writing area
- ▶ Double pocket to keep the paperwork separate from the container
- ▶ Reclosable zipper seal
- ▶ CE marked



CAT. NO.	Colour	Dimensions (cm)	Internal packaging	Sale unit
BSA2401	transparent	16 x 16 x 23h	100	1000
BSA2101	yellow	16 x 16 x 23h	100	1000
BSA2201	green	16 x 16 x 23h	100	1000
BSA2301	light blue	16 x 16 x 23h	100	1000
BSA2461	red	16 x 16 x 23h	100	1000
BSA2601	orange	16 x 16 x 23h	100	1000
BSA2701	pink	16 x 16 x 23h	100	1000
BSA2801	violet	16 x 16 x 23h	100	1000

Security bags

Tamper evident security bags 235x320+30+30 mm



CAT. NO.	Colour	Dimensions (cm)	Sale unit
BSA2350	White	235x320+30+30	500

FIRST AID BAGS

First aid bag with 4 external pockets

- ▶ External material: Cordura 1000
- ▶ Internal material: Nylon 210/210, PVC
- ▶ Shoulder straps and handles: Polyester 600/900, PVC
- ▶ Dimensions: ± 45 x 20 x 45h
- ▶ Weight: ± 3 Kg
- ▶ 4 external pockets
- ▶ Zipper closure
- ▶ Reflective strips
- ▶ Window for frontal Logo



CAT. NO.	Description	Dimensions (cm)	Sale unit
BS2402	First aid bag with 4 external pockets	45 x 20 x 45	1

First aid bag with 5 external pockets and 3 internal pockets

- ▶ External material: Cordura 1000
- ▶ Internal material: Nylon 210/210, PVC
- ▶ Shoulder straps and handles: Polyester 600/900, PVC
- ▶ Dimensions: ± 50 x 30 x 60h
- ▶ Weight: ± 3 Kg
- ▶ 5 external pockets + 3 internal pockets
- ▶ Zipper closure
- ▶ Anatomical backrest
- ▶ Double seams



CAT. NO.	Description	Dimensions (cm)	Sale unit
BS2401	First aid bag with 5 external pockets and 3 internal pockets	50 x 30 x 60	1

Non-rigid container

- ▶ Material: Nylon 210/210, PVC, transparent Kristal
- ▶ Dimensions: ± 30 x 9 x 16h
- ▶ Zipper closure
- ▶ One transparent face
- ▶ One Velcro face



CAT. NO.	Colour	Dimensions (cm)	Sale unit
BS2405G	yellow	50 x 30 x 60	1
BS2405V	green	50 x 30 x 60	1
BS2405B	blue	50 x 30 x 60	1
BS2405A	orange	50 x 30 x 60	1
BS2405R	red	50 x 30 x 60	1



HEALTH AND SAFETY

For more details please visit:
<http://www.biosigma.com/health-and-safety.html>

HEALTH AND SAFETY

NITRILE GLOVES

- ▶ Nitrile gloves without powder not sterile
- ▶ Case 200 pcs, carton 2000 pcs. (10x200)
- ▶ EN455 Parts 1, 2, 3 & 4 – EC marked in compliance with European Medical Device Directive 93/42/EEC (CE Class I non sterile)
- ▶ EN374 (03) 1/2/3; EN420 (10); EN388 (03) – CE 0465 marked in compliance with PPE
- ▶ Directive 89/686/EEC (PPE III Category Complex Design)
- ▶ ASTM D6319
- ▶ ASTM F1670 - F1671
- ▶ EN980
- ▶ EN ISO 15223-1
- ▶ Ambidextrous shape with straight fingers
- ▶ Reinforced cuff with elastic border
- ▶ Absence of powder with consequent elimination of all the problems connected with the use of the same.



CAT. NO.	Size	Internal packaging	Sale unit
BSI080	XS	200	2000
BSI081	S	200	2000
BSI082	M	200	2000
BSI083	L	200	2000
BSI084	XL	200	2000

LATEX GLOVES

- Latex powdered gloves
- ▶ EN 455 parts 1, 2, 3 & 4
 - ▶ Directive 89/686/EEC
 - ▶ EC marked in compliance with European Medical Device Directive 93/42/EEC
 - ▶ ISO 15223-1
- Latex powder free gloves
- ▶ EN 455 parts 1, 2, 3 & 4
 - ▶ EN420, EN388, EN374 parts 1, 2 & 3
 - ▶ ASTM D3578
 - ▶ ASTM F1671
 - ▶ Directive 89/686/EEC
 - ▶ EC marked in compliance with European Medical Device Directive 93/42/EEC



CAT. NO.	Size	Powdered	Internal packaging	Sale unit
BSI010	S	X	100	1000
BSI011	M	X	100	1000
BSI012	L	X	100	1000
BSI013	XL	X	100	1000
BSI030	S		100	1000
BSI031	M		100	1000
BSI032	L		100	1000
BSI033	XL		95	950

CRYOGENIC GLOVES

Protect yourself from extreme temperatures. Gloves which protect from very high or low temperatures, with an outer layer made of nylon and an interior made of a cotton - polyester complex protected by a polyfine film.

- ▶ Soft, comfortable, warm, even after prolonged exposure to cold
 - ▶ Machine washable and dryable
- 5 finger glove in 4 lengths:
- ▶ Wrist: 30 cm
 - ▶ Mid-forearm: 38 cm
 - ▶ Elbow: 50 cm
 - ▶ Shoulder: 68 cm

Characteristics of the standard model:

- ▶ Freezer at very low temperatures
- ▶ Cold room
- ▶ Dry ice handling

Characteristics of the impervious model:

- ▶ Applications in a liquid nitrogen atmosphere or environment
- ▶ Coolant bars
- ▶ Cryogenic grinding

NB: Never immerse the glove directly in liquid nitrogen.



STANDARD MODEL

	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	SMALL (S)	MEDIUM (M)	LARGE (L)	EXTRA LARGE (XL)	Sale unit
5 fingers 30 cm	035501	035502	035503	035504	035517	035518	035519	035520	1
5 fingers 38 cm	035505	035506	035507	035508	035521	035522	035523	035524	1
5 fingers 50 cm	035509	035510	035511	035512	035525	035526	035527	035528	1
5 fingers 68 cm	035513	035514	035515	035516	035529	035530	035531	035532	1

IMPERVIUS MODEL

- ▶ For use of material stored in liquid nitrogen or at low temperatures
- ▶ Very good insulation, thinner gloves offering excellent dexterity

Cold protection gloves

	Gloves L. 37 cm	Gloves L. 50 cm	Gloves L. 60 cm	Sale unit
SMALL (S)	446658	446662	446670	1
MEDIUM (M)	446659	446663	446671	1
LARGE (L)	446660	446664	446672	1
EXTRA LARGE (XL)	446661	446665	446673	1

- ▶ Synthetic fibre for improved flexibility
- ▶ Water resistant
- ▶ Coating "waterproof"
- ▶ With suspension ring
- ▶ EC marking



PARAFILM



CAT. NO.	Dimensions (cm x m)	Description	Sale unit
090261	5 x 75	Parafilm ultra-expandable closing film tape	1
090260	10 x 38	Parafilm ultra-expandable closing film tape	1
090997	-	Distributor cutter parafilm	1
090998	10 x 75	Maxi-dispenser for Parafilm ultra-expandable closing film	1
090999	50 x 15	Maxi-roll of Parafilm ultra-expandable closing film	1

GEN-X Nitrile gloves

- ▶ Ambidextrous
- ▶ Colours blue violet
- ▶ Powder free
- ▶ Length 240 mm
- ▶ In compliance with EN455
- ▶ Nitrile gloves, textured fingertips



CAT. NO.	Description	Size	Sale unit
603501	GEN-X nitrile gloves	XS	100
603502	GEN-X nitrile gloves	S	100
603503	GEN-X nitrile gloves	M	100
603504	GEN-X nitrile gloves	L	100
603505	GEN-X nitrile gloves	XL	100



GINECOLOGY AND FERTILITY

For more details please visit:

<http://www.biosigma.com/gynecology-and-fertility.html>

GINECOLOGY AND FERTILITY

SEMEN COLLECTION

The KIT FOR FERTILITY is a disposable devices used for the collection of sputum sample from the patient to the laboratory and for analysis in vitro reserved for the medical and technical personnel with the necessary qualifications and professional preparation.

- ▶ Funnel. (A)
- ▶ Plug for funnel (B).
- ▶ Graduated test tubes, vol. 15ml. (C)
- ▶ Screw cap for tube. (D)
- ▶ Label for test tube. (E)
- ▶ Support for tube. (F)
- ▶ Instructions for use



CAT. NO.	Description	Sale unit
BS740	Ejaculate collecting device with test tube 15 ml, label, stopper, single packed, sterile	40

SPRAY FOR CITOLGY

Kito-Fix Spray for citology



CAT. NO.	Description	Sale unit
BSI109	Kito-Fix spray for citology	1

EJACULATE SLIDE-READ BOX

Ejaculate slide-read box composed of 25 slides of 2 determination each and 50-grid cover slips. Sample dilution is not required.

- ▶ For sperm counts in undiluted specimens
- ▶ Counting grid laser-etched into its surface
- ▶ Eliminates cleaning and minimizes clinician exposure to body fluids
- ▶ The slide consists of two chambers (for dual determinations), with a depth of 20 µm each.



CAT. NO.	Description	Internal packaging	Sale unit
BS729	Ejaculate slide-read	50	1

VAGINAL SPECULUM

Sterile central pin vaginal speculum, single packed, in polystyrene.

- ▶ Sterile
- ▶ Single packed
- ▶ in Polystyrene
- ▶ With central pin



CAT. NO.	Size	Internal packaging	Sale unit
BSM240	Small	single packed	200
BSM241	Medium	single packed	200
BSM242	Large	single packed	120

AYRE SPATULES

Ayre spatule perfectly suited for sampling exocervical (outside of the cervix) for precocious diagnosis of uterus cancer

- ▶ Sterile
- ▶ Single packed
- ▶ in Polystyrene or wood
- ▶ Latex free
- ▶ Dimensions 180 mm



CAT. NO.	Material	Dim. (mm)	Sterile	Internal packaging	Sale unit
BSM018	polystyrene	180	X	Single packed	500
BSM016	wood	180	X	Single packed	500

CYTOBRUSHES

Disposable hencervical sampling brush

- ▶ Also available sterile single packed
- ▶ 210 mm Length
- ▶ CE Marked product - manufactured in compliance with 93/42/ EEC Directive Annex V
- ▶ Synthetic bristles non-allergic atraumatic



CAT. NO.	Sterile	Internal packaging	Sale unit
BSM009	X	single packed	1000
BSM008	-	-	50



HEMATOLOGY

For more details please visit:
<http://www.biosigma.com/hematology.html>

BIOBLOOD DEVICES

TYPESAFE™ in PVC

TYPESAFE™ in PVC segment sampling device

- ▶ Allows cells to pass through easily
- ▶ Ribbed edges allows for easy handling with gloved hands
- ▶ Fits into 10 and 12 ml tube sizes
- ▶ Wide mouth fits most standard segment sizes
- ▶ Top and bottom of device are easily identified by technicians in the blood bank
- ▶ Highlights: FDA Cleared
- ▶ Single, in-vitro diagnostic use

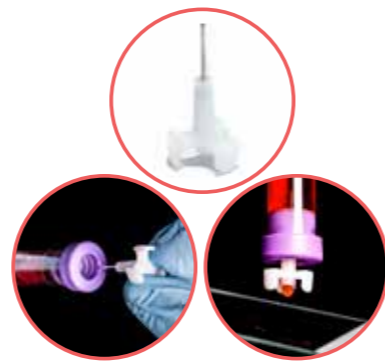


TYPESAFE™ in PVC segment sampling device

CAT. NO.	Internal ackaging	Sale unit
BSA038TX	bag / 500	case / 1000

Drop slide system

Drop slide system hematological dispenser for smear (usable to pearce vacuum tubes stopper).



Drop slide system

CAT. NO.	Color	Sale unit
BSS700	white	case / 1000

BREAKLOT STICK



Breaklot stick in polystyrene

CAT. NO.	Color	Internal packaging	Sale unit
BSA066	white	bag / 1000	case / 3000

BLOOD GROUPING STRIPS



Blood grouping strip

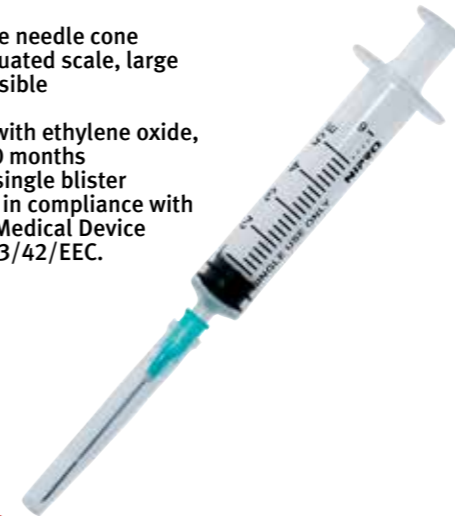
CAT. NO.	Dimensions (mm)	Places	Sale unit
BSA039	L 17.30 H 4.50	12	case / 400
BSA037	L 17.30 H 4.50	10	case / 250

HEMATOLOGY

SYRINGES FOR BLOOD COLLECTION

Made of transparent medical polypropylene with a thermoplastic elastomer seal, latex-free; FLOMAX stainless steel needle with a much thinner wall than standard needles, less painful for the patient. The penetration of the needle into the tissues is gentle and with minimal trauma, thanks to the special sharpening of the triple-faceted needle.

- ▶ Colour code needle cone
- ▶ Black graduated scale, large and well visible
- ▶ Latex Free
- ▶ Sterilized with ethylene oxide, valid for 60 months
- ▶ Packed in single blister
- ▶ EC marked in compliance with European Medical Device Directive 93/42/EEC.



Sterile syringe

CAT. NO.	Description	Needle (G)	Sale unit
BSS130	20 ml (gr:1 -20ml) Eccentric luer slip tip	-	50
BSS131	50-60 ml (gr:1 -50/60ml) Eccentric luer slip tip	-	30
BSS133	Insulina 100U 1 ml Centr. luer slip tip	26G 1/2" beige	100
BSS134	2-2,5 ml (gr:0,1 -2,5/3ml) Centr. luer slip tip	22G 1-1/4" black	100
BSS135	2-2,5 ml (gr:0,1 -2,5/3ml) Centr. luer slip tip	-	100
BSS136	5 ml (gr:0,2 -5/6ml) Centr. luer slip tip	-	100
BSS137	10 ml (gr:0,2 -11/12ml) Eccentric luer slip tip	-	100
BSS140	5 ml (gr:0,2 -5/6ml) Centr. luer slip tip	21G 1-1/2" green	100
BSS141	10 ml (gr:0,2 -11/12ml) Centr. luer slip tip	21G 1-1/2"green	100

STERILE NEEDLE



Hypodermic sterile needle

CAT. NO.	Description	Color	Sale unit
BSS230/R	18 GA x 1 1/2	pink	100
BSS231/R	19 GA x 1 1/2	brown	100
BSS232/R	20 GA x 1 1/2	yellow	100
BSS233/R	21 GA x 1 1/2	green	100
BSS234/R	22 GA x 1 1/2	black	100
BSS235/R	23 GA x 1 1/4	light blue	100
BSS236/R	25 GA x 3/8	blue	100
BSS237/R	26 GA x 1/2	beige	100
BSS238/R	27 GA x 3/4	grey	100

SAFE TOUCH BUTTERFLY NEEDLE

- ▶ Latex free
- ▶ With security device
- ▶ Sterile
- ▶ Individually wrapped



Safe Touch sterile butterfly needle

CAT. NO.	Needle (G)	Tube length	Color	Sale unit
BV100	19G x 3/4" (19mm)	300 mm	beige	50
BV101	21G x 3/4" (19mm)	300 mm	green	50
BV102	22G x 3/4" (19mm)	300 mm	black	50
BV103	23G x 3/4" (19mm)	300 mm	blue	50
BV104	25G x 3/4" (19mm)	300 mm	orange	50

BUTTERFLY NEEDLE

- ▶ Tube length 30 cm
- ▶ Sterile
- ▶ Pyrogen free
- ▶ Latex free
- ▶ Individually wrapped



Sterile butterfly needle

CAT. NO.	Needle (G)	Color	Sale unit
BSS250	21	green	50
BSS251	23	light blue	50
BSS252	25	orange	50

TOURNIQUETS

- ▶ Medical device Class I
- ▶ Not sterile
- ▶ Internal diameter: mm 6±5%
- ▶ External diameter: mm 8±5%
- ▶ Ce marked



CAT. NO.	Description	Color	Dimensions (mm)	Sale unit
ABS022	Round tourniquet in natural latex with flanges at the ends	yellow	350 ± 5%	100

96-WELL MICROTITER PLATES IN POLYSTYRENE



Microtiter plate

CAT. NO.	Sale unit	CAT. NO. STERILE	Sale unit	Bottom	Wells
BSD001	case / 50	BSD010	case / 300	U	96
BSD002	case / 50	BSD011	case / 300	V	96
BSD003	case / 50	BSD012	case / 300	flat	96
BSD013	case / 50	Cover for microtiter plate			



Plate adhesive film

CAT. NO.	Dimensions (mm)	Material	Sale unit
106571	131 x 81.3	Polyethylene	case / 100
106570	131 x 81.3	Aluminium	case / 100



INSTRUMENTS

MICROCENTRIFUGE

Palm Micro Centrifuge

Features

- ▶ Ideal for microfiltration and quick spin-downs
- ▶ Easy-to-use with dual start/stop function
- ▶ 7000rpm fixed speed
- ▶ Compatible with 2mL x 8 and PCR8 x 2 rotors
- ▶ Quiet running, noise level ≤ 45 dB
- ▶ Rotor change without tools
- ▶ Accelerates and brakes in seconds
- ▶ Four colors available, green, blue, yellow and pink, add color to your routine laboratory life



CAT. NO.	Description	Sale unit
861056	Micro centrifuge tubes D1008 0.2, 0.5, 1.5 and 2 ml, green lid	1
861057	Micro centrifuge tubes D1008 0.2, 0.5, 1.5 and 2 ml, pink lid	1
861058	Micro centrifuge tubes D1008 0.2, 0.5, 1.5 and 2 ml, yellow lid	1
531501	Micro centrifuge tubes D1008 0.2, 0.5, 1.5 and 2 ml, blue lid	1
Accessories		
861059	Ao8-2 rotor capacity 2/1.5 ml x 8, 0.2/0.5 ml x 8	1
861060	Ao2-PCR8 rotor 0,2 ml x16 PCR strips, 0,2 ml x 2 PCR 8 strips	1
861061	SA02P2 0,2 ml rotor adapter, used with 861059	8
861062	SA05P2 0,5 ml rotor adapter, used with 861059	8

Specifications

Max. Speed	7000rpm
Max. RCF	2680xg
Rotor	0.2/0.5/1.5/2.0mLx8;
Capacity	0.2mLx16 PCR strips or 0.2mLx2 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC110-240V/50Hz/60Hz
Noise level	≤ 45 dB
Dimensions [DxWxH]	160 x 170 x 122mm
Weight	0.5kg
Certification	CE cTUVus FCC MCA

MIXERS VORTEX AND ACCESSORIES

Mixers Vortex

Vortex Mixers are ideal instruments for mixing to vigorous resuspension of cells, biological and chemical liquid components in tubes using an eccentric mechanism. They are widely used in life science, physical and chemical analysis fields.

Features

- ▶ Touch operation or continuous mode
- ▶ Variable speed control from 0 to 2500rpm
- ▶ Used for various mixing applications with optional adapters
- ▶ Specially designed vacuum suction feet for body stable
- ▶ Robust aluminum-cast construction



CAT. NO.	Description	Sale unit
ABS451	Vortex Mixer MX-S	1
Accessories		
ABS452	VT1.2 Tube holding rod, used with tube adapters	1
ABS453	VT1.3 Universal top plate, \varnothing 100mm	1
ABS454	VT1.3.1 tube adapter, for 48 holes test tubes, \varnothing 6mm	1
ABS455	VT1.3.2 tube adapter, for 15 holes test tubes, \varnothing 10mm	1
ABS456	VT1.3.3 tube adapter, for 12 holes test tubes, \varnothing 12mm	1
ABS457	VT1.3.4 tube adapter, for 8 holes test tubes, \varnothing 16mm	1
ABS458	VT1.3.5 tube adapter, for 8 holes test tubes, \varnothing 20mm	1
ABS459	VT1.3.6 Platform pad, for $<\varnothing$ 99mm tubes and small vessels	1

Specifications

Voltage	110-120V/220-230V,50/60Hz
Power	60W
Mixing motion	Orbital
Orbital diameter	4mm
Motor type	Shaded pole motor
Motor rating input	58W
Motor rating output	10W
Speed range	0-2500rpm
Speed display	Scale
Run type	Touch operation/Continuous
Dimensions[WxHxD]	127x130x160mm
Weight	3.5kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%
Protection class	IP21

INSTRUMENTS

For more details please visit:

<http://www.biosigma.com/instruments.html>

WARNING

Optional accessories not included in the package, they have to be purchased separately.

STIRRERS AND ACCESSORIES

Magnetic stirrer

EcoStir is a magnetic stirrer customized for liquid mixing, suitable for chemical analysis, biology reagent mixing, regular laboratory experiments and liquid handling.

Features

- ▶ Maintenance freebrushless DC motor
- ▶ Rare earth magnets give powerful stirring
- ▶ Stepless speed regulation 300-2000rpm
- ▶ Ultra silence and vibration-free design.
- ▶ PET top provides excellent chemical resistance
- ▶ Shaft can be fitted with a PH sensor or sensors for other purposes



ABS476

CAT. NO.	Description	Sale unit
ABS476	Economical magnetic stirrer EcoStir	1

Specifications	
Work plate dimensions	Ø 120mm
Work plate materials	PET
Motor type	Brushless DC motor
Motor output power	1.2W
Power	7.2W
Voltage	100-120/200-240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	1.5L
Max. magnetic bar[length]	40mm
Speed range	300-2000rpm
Speed setting	scale
Protection class	IP21
Dimension [W x D x H]	150x145x50mm
Weight	0.3kg
Permissible ambient temperature and humidity	5-40°C,80%

Microplate Mixers

Capable of holding single or double microplates, the compact shape of MX-M Microplate Mixer takes less bench space and makes storage easier. It is widely used in life sciences including microbiology, cell and molecular biology, immunology and biotechnology.

Features

- ▶ A wide range of speed from 0 to 1500rpm
- ▶ Used for various mixing applications with optional adapters
- ▶ Maintenance-free brushless DC motor



861013

ABS524

CAT. NO.	Description	Sale unit
861013	Microplate Mixers MX-M	1
Accessories		
ABS524	Double microplates clams MXM-116	1

Specifications	
Shaking movement	Orbital
Orbital diameter	4.5mm
Max. shaking weight (with accessory)	0.5kg
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Speed range	Single microplate: 0-1500rpm Double microplate : 0-1000rpm
Speed display	Scale
Voltage	100-240V,50/60Hz
Power	20W
Dimensions	260x150x80mm
Weight	3kg
Permissible ambient temperature and humidity	5~40°C,80%
Protection class	IP21

STIRRERS AND ACCESSORIES

Magnetic Stirrers

Features

- ▶ Maintenance free brushless DC motor
- ▶ Speed range of 0-1500 rpm
- ▶ Max. stirring quantity of H₂O at 20L
- ▶ Stainless steel work plate cover with ceramic material provides good chemical resistance performance



861007B

CAT. NO.	Description	Sale unit
861007B	Classic magnetic stirrer, MS-S version, stainless steel plates with ceramic coated	1

Specifications	
Work plate dimensions	Ø 135(5 inch)mm
Work plate material	Stainless steel cover with ceramic
Motor type	Brushless DC motor
Motor input power	18W
Motor output power	10W
Power	30W
Voltage	100-120/200-240V,50/60Hz
Stirring positions	1
Max. stirring quantity[H ₂ O]	20L
Max. magnetic bar[length]	80 mm
Speed range	0-1500 rpm
Speed display	Scale
Protection class	IP42
Dimension [W x D x H]	160x280x85 mm
Weight	2.8kg
Permissible ambient temperature and humidity	5-40°C,80%

Roller mixer

The tube rollers provide a gentle and highly efficient rolling motions, ideal for mixing blood samples, viscous substances and liquid-solid suspensions. Used in a variety of applications, such as the prevention of blood coagulation and immune precipitation, etc.

Features

- ▶ LCD displays the speed and time
- ▶ Speed range of 10-70rpm
- ▶ Six roller design for gentle rolling and easy to clean
- ▶ Continuous or timer operation



ABS484

CAT. NO.	Description	Sale unit
ABS484	Roller mixer, MX-T6-Pro	1

Specifications	
Amplitude	24 mm
Motor type	DC motor
Rocking motion	Rocking and rolling
Amplitude	24 mm
Max. load capacity	4 kg
Number of rollers	6
Roller size [length]	280 mm
Speed range	10 -70 rpm
Speed display	LCD
Timer	Yes
Timer display	LCD
Time setting range	1-1199min
Operation mode	Continuous / timed
Voltage	100-240V,50/60Hz
Power	30W
Dimensions [DxWxH]	450x260x120mm
Weight	5.1 kg
Permissible ambient temperature and humidity	5~40°C,80%
Protection class	IP21

SHAKERS

The orbital and linear shakers are ideal for almost any vessel from microcentrifuge tubes through petri dishes and microtitre plates to conical flasks.

Features 861019

- ▶ Max. load capacity is 7.5kg (861019) with platform
- ▶ Double LCDs for independent display of time and speed
- ▶ Used with a wide variety of accessories
- ▶ Maintenance- free brushless DC motor
- ▶ Over speed detection and protection
- ▶ Remote function provide PC control and data transmission

Features ABS485 - ABS486

- ▶ Max.load capacity is 3kg with platform
- ▶ Double LEDs for independent display of time and speed
- ▶ Speed range of 40-200 rpm
- ▶ A wide range of platforms, accessories



CAT. NO.	Description	Sale unit
861019	Digital orbital shaker, LED SK-O330-PRO	1
ABS485	Digital orbital shaker, LED SK-O180-S	1
ABS486	LED Digital Linear Shaker SK-L180-S	1

Specifications		
Model	861019	ABS485
Orbital diameter	10mm	20mm
Max. load capacity (with platform)	7.5kg	3kg
Motor type	Brushless DC motor	DC motor
Motor input power	28W	16W
Motor output power	15W	10W
Speed range	100-500rpm	40-200rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-19h59min	1min-19h59min
Voltage	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	20W
Weight	13.5kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%	5-40°C, 80%
Dimensions[WxDxH]	370x420x100mm	270x330x110mm
Protection class	IP21	IP21
Data connector	RS232	-

Specifications	
Model	ABS486
Amplitude	20mm
Max. load capacity (with platform)	3kg
Motor type	DC motor
Motor input power	16W
Motor output power	10W
Speed range	40-200rpm
Speed display	LED
Timer display	LED
Time settings range	1min-19h59min
Voltage	100-240V,50/60Hz
Power	20W
Weight	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%
Dimensions[WxDxH]	270x330x110mm
Protection class	IP21
Data connector	-

The rocking and 3D shakers provide perfect solution in wide fields including electrophoresis gel dyeing/dicoloration, sample washing, molecular hybridization, immunoprecipitation, Western blot and cell culture.

Features ABS487

- ▶ Rocking motion angle 7°
- ▶ Max. load capacity is 3kg with platform
- ▶ Speed range of 10-80 rpm
- ▶ Double LEDs for independent display time and speed
- ▶ Various of platforms, accessories



CAT. NO.	Description	Sale unit
ABS487	LED Digital Rocking Shaker SK-R1807-S	1

Specifications	
Tilt angle	7°
Max. load capacity (with platform)	3kg
Motor type	DC motor
Motor input power	16W
Motor output power	10W
Speed range	10-80 rpm
Speed display	LED
Timer display	LED
Time settings range	1min-19h59min
Voltage	100-240V,50/60Hz
Power	20W
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%
Dimensions[WxDxH]	270x330x130mm
Protection class	IP21
Data connector	-

Features ABS488

- ▶ Three-dimensional rocking motion with the angle of 7°
- ▶ Max. load capacity is 3kg with platform
- ▶ Speed range of 10-80rpm
- ▶ Double LCDs for independent display time and speed
- ▶ Various of platforms accessories



CAT. NO.	Description	Sale unit
ABS488	LED Digital 3D shaker SK-D1807-S	1

Specifications	
Tilt angle	7°
Max. load capacity (with platform)	3kg
Motor type	DC motor
Motor input power	16W
Motor output power	10W
Speed range	10-80rpm
Speed display	LED
Timer display	LED
Time settings range	1min-19h59min
Voltage	100-240V,50/60Hz
Power	20W
Weight	2,7 kg
Permissible ambient temperature and humidity	5-40°C, 80%
Dimensions[WxDxH]	270x330x130mm
Protection class	IP21
Data connector	-

Shaker accessories



CAT. NO.	Description	Suitable for: 861019	Suitable for: ABS485, ABS486, ABS487, ABS488	Sale unit
861024	Dish platform with non-slip mat and fixed string, dim. 30x28.5 cm	X		8
ABS489	Dish attachment with non-slip mat, dim. 24x21.5 cm		X	1
ABS490	Large size dish attachment with non-slip mat		X	1
ABS491	Universal attachment with 4 bars, dim. 30x30 cm	X		1
861022	Lengthways roller attachment, dim. 30x30 cm	X		1
ABS492	Universal attachment with 3 bars dim. 24x24 cm		X	1
ABS493	Lengthways roller attachment, dim. 24x24 cm		X	1
ABS494	Bar for ABS491 universal attachment	X		1
ABS495	Bar for ABS492 universal attachment		X	1
861023	Fixing clip attachment for 861019	X		1
ABS496	Fixing clip attachment for ABS485/486/487/488		X	1
ABS497	Fixing clip for flask volume 25 ml, used with 861023, ABS496	X	X	1
ABS498	Fixing clip for flask volume 50 ml, used with 861023, ABS496	X	X	1
ABS499	Fixing clip for flask volume 100 ml, used with 861023, ABS496	X	X	1
ABS500	Fixing clip for flask volume 200/250 5ml, used with 861023, ABS496	X	X	1
ABS501	Fixing clip for flask volume 500 ml, used with 861023, ABS496	X	X	1

ROTATORS

The rotators give gentle but effective mixing of biological samples held in 1.5mL to 50mL micro tubes, and are used in a variety of applications including immune precipitations, prevention of blood coagulation, latex diagnostics, etc.

Features

- ▶ Electronic adjustment of speed and time
- ▶ LCD display speed and time
- ▶ Speed range from 10 to 70rpm
- ▶ Provides gentle but effective rolling
- ▶ A wide variety of accessories are available

Features

- ▶ Electronic adjustment of speed and time
- ▶ LCD display speed and time
- ▶ Speed range from 10 to 70rpm
- ▶ Rolling action, gives gentle but effective mixing
- ▶ Adjustable mixing angle from 0 to 90°
- ▶ A wide variety of accessories are available



ABS477



ABS502



ABS478

ABS479

ABS480



ABS503

ABS504



ABS481

ABS482

ABS483



ABS505

ABS506

CAT. NO.	Description	Sale unit
ABS477	LCD digital rotator, MX-RL-Pro	1
Accessories		
ABS478	Rotisserie accessory Type-1, used for MX-RL-Pro, for 1.5mL x 48 centrifuge tubes held horizontally	1
ABS479	Rotisserie accessory Type-2, used for MX-RL-Pro, for 15mL x 24 centrifuge tubes held horizontally	1
ABS480	Rotisserie accessory Type-3, used for MX-RL-Pro, for 50mL x 24 centrifuge tubes held horizontally	1
ABS481	Rotisserie accessory Type-4, used for MX-RL-Pro, for 1.5mL x 32 centrifuge tubes held vertically	1
ABS482	Rotisserie accessory Type-5, used for MX-RL-Pro, for 15mL x 16 centrifuge tubes held vertically	1
ABS483	Rotisserie accessory Type-6, used for MX-RL-Pro, for 50mL x 16 centrifuge tubes held vertically	1

Specifications

Motor type	DC motor
Speed range	10-70 rpm
Speed display	LCD
Timer display	LCD
Timer	1-1199 min
Operation mode	Continuous / timer
Voltage	100-240V, 50/60Hz
Power	40W
Dimensions [DxWxH]	220x510x260mm
Permissible ambient temperature and humidity	5~40°C, 80%
Protection class	IP21

CAT. NO.	Description	Sale unit
ABS502	LCD digital rotator MX-RD-Pro	1
Accessories		
ABS503	Disk accessories Type-1, for 1.5 ml x 60 centrifuge holder	1
ABS504	Disk accessories Type-2, for 15 ml x 16 centrifuge holder	1
ABS505	Disk accessories Type-3, for 50 ml x 8 centrifuge holder	1
ABS506	Disk supports rods, 4 pcs in a group use with disk accessories	1

Specifications

Motor type	DC motor
Tilt angle	0-90°
Speed range	10-70 rpm
Speed display	LCD
Timer display	LCD
Timer	1-1199 min
Operation mode	Continuous / timer
Voltage	100-240V, 50/60Hz
Power	40W
Dimensions [DxWxH]	280x210x300mm
Permissible ambient temperature and humidity	5~40°C, 80%
Protection class	IP21

MAGNETIC HOTPLATE STIRRERS

10-Position Magnetic Hotplate Stirrer

Features

- ▶ Maintenance-free brushless DC motor
- ▶ Max speed 1100rpm
- ▶ Max. temperature 120°C
- ▶ Stainless steel work plate, cover with silicone cushion, provides the excellent performance of heating uniformity and skid resistance



861012

CAT. NO.	Description	Sale unit
861012	10-Position Magnetic Hotplate Stirrer, MS-H-S10	1

Specifications

Work plate dimensions [W x D]	180x450mm
Work plate material	Stainless steel with silicone
Motor type	Brushless DC motor
Motor rating input	12W
Motor rating output	4W
Power	490W
Heating output	470W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	10
Max. stirring quantity	0.4L x 10
Max. magnetic bar[length]	40mm
Speed range	0-1100rpm
Speed display	scale
Temperature display	scale
Heating temperature range	Room temp.~120°C
Overheating protection	140°C
Protection class	IP42
Dimension [W x D x H]	182x622x65mm
Weight	3.2kg
Permissible ambient temperature and humidity	5-40°C 80%

LED Digital Magnetic Hotplate Stirrer

ABS475, MS-H280-Pro is a perfect device for handling small volume task on daily application, as a low temperature magnetic stirrer with Max. temperature at 280°C.

Features

- ▶ Digital temperature control with Max. temperature to 280°C
- ▶ Digital speed control with Max. speed up to 1500rpm
- ▶ Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- ▶ External temperature control is possible by connecting the temperature sensor (PT 1000) with an accuracy at ±0.5°C
- ▶ LED display shows temperature and speed
- ▶ The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off



ABS475

CAT. NO.	Description	Sale unit
ABS475	LED Digital Magnetic Hotplate Stirrer, MS-H280-Pro	1

Specifications

Work plate dimensions	Ø 135mm(5 inch)
Work plate material	Stainless steel cover with ceramic
Motor type	DC motor
Motor rating input	5W
Motor rating output	3W
Power	515W
Heating output	500W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	1
Max. stirring quantity	3L
Max. magnetic bar[length]	50mm
Speed range	100-1500rpm
Speed display	LED
Temperature display	LED
Speed display resolution	±1rpm
Heating temperature range	Room temp.-280, increment 1°C
Control accuracy of work plate	±1°C(<100°C) ±1%(>100°C)
Overheating protection	320°C
Temperature display accuracy	±1°C
External temperature sensor	PT1000 (accuracy ±0.5°C)
"Hot" warning	50°C
Protection class	IP21
Dimension [W x D x H]	150x260x80mm
Weight	1.8kg
Permissible ambient temperature and humidity	5-40°C 80%

Magnetic Hotplate Stirrer

The 340°C magnetic hotplate stirrers include all leading safety standards and features for superior easy of use and cost-effective. They are widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, etc.

LCD Digital Magnetic Hotplate Stirrer

Features

- ▶ Brushless DC motor is maintenance free and explosion-proof
- ▶ Digital temperature control with Max. temperature at 340°C
- ▶ Digital speed control with Max. speed up to 1500rpm
- ▶ Max. stirring quantity of H₂O at 20L
- ▶ Safety circuits provide overheating protection
- ▶ The "HOT" warning will flash when the plate temperature is above 50°C even the hotplate is turned off
- ▶ The high-resolution LCD display shows actual temperatures and speed
- ▶ External temperature control is possible by connecting the temperature sensor(PT 1000) with accuracy at ±0.2°C
- ▶ Stainless steel work plate with ceramic coating providing good chemical-resistant performance
- ▶ Remote function provide PC control and data transmission
- ▶ A wide variety of accessories are available



861010B



861049

Magnetic Hotplate Stirrer

Features

- ▶ Maintenance free brushless DC motor
- ▶ Temperature to 340°C
- ▶ Stirring speed up to 1500 rpm
- ▶ Stainless steel work plate with ceramic coating provides good chemical-resistant performance
- ▶ Safety circuits provide overheating protection
- ▶ A wide variety of accessories are available

CAT. NO.	Description	Sale unit
861010B	LCD Digital Magnetic Hotplate Stirrer, MS-H-Pro+	1
861049	Magnetic Hotplate Stirrer, MS-H-S	1

Specifications		
Model	861010B	861049
Work plate dimensions	Ø135mm(5 inch)	Ø135mm(5 inch)
Work plate material	stainless steel cover with ceramic	stainless steel cover with ceramic
Motor type	Brushless DC motor	Brushless DC motor
Motor rating input	18W	18W
Motor rating output	10W	10W
Power	550W	530W
Heating output	500W	500W
Voltage	100-120/200-240V 50/60Hz	100-120/200-240V 50/60Hz
Stirring positions	1	1
Max. stirring quantity[H ₂ O]	20L	20L
Max. magnetic bar[length]	80mm	80mm
Speed range	100-1500rpm resolution±1rpm	0-1500rpm resolution±1rpm
Speed display	LCD	Scale
Temperature display	LCD	Scale
Heating temperature range	Room temp.-340°C, increment 1°C	Room temp.-340°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)	-
Over temperature protection	360°C	350°C
Temperature display accuracy	±0.1°C	±0.5°C
External temperature sensor	PT1000 (accuracy ±0.2)	-
"Hot" warning	50°C	-
Timer function	-	-
Data connector	RS232	-
Protection class	IP42	IP42
Dimension [W x D x H]	160x280x85mm	160x280x85mm
Weight	2.8kg	2.8kg
Permissible ambient temperature and humidity	5-40°C 80%	5-40°C 80%

Magnetic Hotplate Stirrers

The 550°C series magnetic stirrer is developed for demanding applications. It is widely used in chemical synthesis, physical and chemical analysis, bio-pharmaceuticals, to name a few, etc. Combining with glass ceramic work plate, brushless DC motor, external temperature sensor and the work plate temperature optimized up to 550°C.



ABS450

Features

- ▶ LCD display for precise monitoring of speed and temperature
- ▶ Built-in PID controller ensures the safe heating of the medium with overheating protection
- ▶ Max. Heating plate temperature 550°C
- ▶ Glass ceramic work plate provides excellent chemical resistant performance and most efficient heat transfer
- ▶ External temperature control is possible by connecting the temperature sensor(PT 1000) with an accuracy at ±0.2°C
- ▶ Digital speed controlling, Max. speed at 1500rpm
- ▶ Outstanding brushless DC motor performance enables more stirring power
- ▶ Two rotating knobs enable the easy and direct change of speed and temperature
- ▶ The "HOT" warning will flash when the work plate temperature is above 50°C even if the hotplate is turned off
- ▶ Remote function provides PC control and data transmission

CAT. NO.	Description	Sale unit
ABS450	LCD Digital Magnetic Hotplate Stirrer, MS7-H550-Pro	1

Specifications	
Work plate dimensions [W x D]	184x184mm (7 inch)
Work plate material	Glass ceramic
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Power	1050W
Heating output	1000W
Voltage	100-120/200-240V 50/60Hz
Stirring positions	1
Max. stirring quantity, [H ₂ O]	20L
Max. magnetic bar[length]	80mm
Speed range	100-1500rpm resolution ±1rpm
Speed display	LCD
Temperature display	LCD
Heating temperature range	Room Temp.-550°C, increment 1°C
Temperature control accuracy	±1°C(<100°C) ±1%(>100°C)
Overheating protection	580°C
Temperature display accuracy	±0.1°C
External temperature sensor	PT1000 (accuracy ±0.2)
"Hot" warning	50°C
Data connector	RS232
Protection class	IP21
Dimension [W x D x H]	215x360x112mm
Weight	5.3kg
Permissible ambient temperature and humidity	5-40°C 80%

Magnetic Hotplate Stirrers, Accessories



Accessories	ABS450 MS7-H550-Pro	861010B MS-H-Pro+	861049 MS-H-S	ABS475 MS-H260-Pro
CAT. NO. Description		X	X	X
ABS507	Blue carrying plate, use with color quarter pies		X	X
ABS508	Blue Fixed ring, use with color quarter pies		X	X
ABS509	Red quarter pie, 11 holes, 4 mL reaction vessel, Ø15.2mm, 20mm depth	X	X	X
ABS510	Purple quarter pie, 4 holes, 20 mL reaction vessel, Ø28mm, 24mm depth	X	X	X
ABS511	Blue quarter pie, 4 holes, 30mL reaction vessel, Ø28mm, 30mm depth	X	X	X
ABS512	Black quarter pie, 4 holes, 40mL reaction vessel, Ø28mm, 43mm depth	X	X	X
ABS513	Green quarter pie, 6 holes, 8mL reaction vessel, Ø17.8mm, 26mm depth	X	X	X
ABS514	Golden quarter pie, 4 holes, 16mL reaction vessel, Ø21.6mm, 31.7mm depth	X	X	X
ABS515	Reaction block for 50mL round bottom flask (one flask capacity)		X	X
ABS516	Reaction block for 100mL round bottom flask (one flask capacity)		X	X
ABS517	Reaction block for 250mL round bottom flask (one flask capacity)		X	X
ABS518	Reaction block for 500mL round bottom flask (one flask capacity)		X	X
ABS519	F101 protective cover, temperature resistance of 135°C		X	X
ABS520	PT1000-A, length of 230mm	X	X	X
ABS521	PT1000-B, temperature sensor with glass coated, length of 230mm	X	X	X
ABS522	Support clamp of PT1000	X	X	
ABS523	Support clamp of PT1000			X

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02844	44	017262	42	035514	105	039839	84	068511	72	138800	45
010153	39	017263	42	035515	26	039840	84	068512	72	138820	45
010154	39	017370CL	52	035515	105	039841	84	076058	76	138870	45
010158	42	017802	42	035516	26	039842	84	076059	76	138900	45
010159	41	017867	42	035516	105	039843	84	076060B	76	141397	33
010161CL	25	017868	42	035517	26	039844	84	076084B	76	174370	45
010162CL	25	021970	44	035517	105	039845	84	87112E	67	320532	33
010163	25	023080	44	035518	26	039846	84	87122E	67	320532	84
010164	25	023190	41	035518	105	039847	84	87123E	67	320533	33
010179	25	023190A	41	035519	26	039848	84	87176E	67	320533	84
010181	25	026190	44	035519	105	039849	84	87177E	67	321009	73
010183CL	25	027110CL	52	035520	26	039850	84	087804	49	391057	72
010184CL	25	027120CL	52	035520	105	039851	84	087805	49	391058	72
010185	25	028123	24	035521	26	040728	69	087806	49	391070	35
010186	25	028124	24	035521	105	040729	69	087807	49	391071	35
010207	41	028200CL	52	035522	26	040730	69	090260	104	391072	35
010208	42	030131	25	035522	105	040731	69	090261	104	391073	35
010300	56	030132	25	035523	26	040732	69	090997	104	391074	83
010310	56	030133	25	035523	105	042820	76	090998	104	391075	83
010320	56	030134	25	035524	26	042821	76	090999	104	391076	83
010330	56	030135	25	035524	105	042822	76	092391	27	391077	83
010340	56	030136	25	035525	26	042823	76	092392	27	391078	83
010350	56	030137	25	035525	105	042824	76	092393	27	391079	83
010360	56	030138	25	035526	26	045437	85	097800	49	391080	83
010370	56	030139	25	035526	105	045438	85	097801	49	391081	83
010380	56	030560ACL	52	035527	26	045439	85	097802	49	391082	83
010390	56	030570ACL	52	035527	105	045440	85	097803	49	391083	83
010400	56	032230CL	52	035528	26	045441	85	097804	49	391084	83
010410	56	032240CL	52	035528	105	045442*	85	097805	49	391085	83
010420	56	032250CL	52	035529	26	045443	85	097819	49	391086	83
010450	56	032260CL	52	035529	105	045464	35	106524	44	391087	83
010460	56	035100ACL	52	035530	26	045465	43	106524AL	44	391088	83
010510	56	035200CL	52	035530	105	045466	43	106570	109	391089	83
011670	45	035210CL	52	035531	26	045467	43	106571	109	391090	83
014200CL	52	035220CL	52	035531	105	045468	43	112740	56	391091	83
014210CL	52	035230CL	52	035532	26	045469	43	112750	56	391092	83
014220CL	52	035240CL	52	035532	105	045470	43	112760	56	391093	83
015020CL	52	035260CL	52	035800	44	045471	43	112770	56	391180	71
015160A	41	035501	26	035900	44	045472	43	112780	56	391181	71
016000	42	035501	105	036060CL	52	045473	43	112790	56	391182	71
016000F	42	035502	26	036060TCL	52	045474	43	116280	42	391183	71
016001	42	035502	105	036164	73	045475	43	116380	42	391184	71
016131	41	035503	26	037559	85	045476	43	130340CL	52	391185	71
016139	41	035503	105	037560	85	045546	43	130510CL	52	446658	26
016147	41	035504	26	037561	85	045798	72	130510TCL	52	446658	105
016155	41	035504	105	037562	85	045799	72	131000C	38	446659	26
016164	42	035505	26	037563	85	048021	85	131002C	38	446659	105
016166	42	035505	105	037564	85	048021B	85	131004C	38	446660	26
016167	42	035506	26	037565	85	049730	84	131006C	38	446660	105
016303	42	035506	105	037572	85	049731	84	131008C	38	446661	26
016389	42	035507	26	037579	35	049732	84	131012C	39	446661	105
016511	42	035507	105	037580	35	055029	26	131019C	39	446662	26
016512	42	035508	26	037640CL	52	055030	26	131020C	39	446662	105
016513	42	035508	105	037640TCL	52	062586	33	131024C	39	446663	26
016514	42	035509	26	037660CL	52	062587	33	131028C	39	446663	105
016517	42	035509	105	037660TCL	52	062588	33	131046C	39	446664	26
016518	42	035510	26	037877	76	062589	33	131048C	39	446664	105
016561	42	035510	105	037990	42	062627	32	131050C	39	446665	26
016562	42	035511	26	038000CL	52	062628	32	131052C	39	446665	105
016950	41	035511	105	038000TCL	52	062629	32	134000CL	52	446670	26
016950A	41	035512	26	038780	42	064201	84	134750CL*	52	446670	105
017030	41	035512	105	038787	43	064202	84	134760CL*	52	446671	26
017030A	41	035513	26	039620	45	064203	84	136590	45	446671	105
017239	42	035513	105	039837	84	064204	84	136590	45	446672	26

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446673	105	750212	25	861019	114	4949052	21	ABS478	116	BBB3BEP	17
0455430	85	750213	25	861019	114	4949053	21	ABS479	116	BBB4BE	17
0455431	85	750214	25	861022	115	4949054	21	ABS480	116	BBB4BEBT	17
0455432	85	750215	25	861023	115	4949055	21	ABS481	116	BBB4BEP	17
0455433	85	750216	25	861024	115	4949056	21	ABS482	116	BBB4BI	17
0455434	85	750217	25	861049	118	4949057	21	ABS483	116	BBB4BIBT	17
0455436	85	750218	25	861056	111	4949058	21	ABS484	113	BBB4BIPC	17
490010	45	750219	25	861057	111	4949059	21	ABS485	114	BBB4I	17
531501	111	750220	25	861058	111	4949060	21	ABS485	114	BBB4IBT	17
542000	38	750221	25	861059	111	4949061	21	ABS486	114	BBB4IPC	17
542040	38	750222	25	861060	111	4949062	21	ABS486	114	BBB5BE	17
542070	38	750223	25	861061	111	4949063	21	ABS487	114	BBB5BE2D	17
603501	104	750224	25	861062	111	4949064	21	ABS488	114	BBB5BE2DBT	17
603502	104	750225	25	900509	73	4949065	21	ABS489	115	BBB5BE2DPC	17
603503	104	750226	25	900510	73	4949066	21	ABS490	115	BBB5BEBT	17
603504	104	750227	25	900511	73	4949067	21	ABS491	115	BBB5BEP	17
603505	104	760201	39	900512	73	4949068	21	ABS492	115	BBB5BI	17
658170	38	760205	39	900514	73	4949069	21	ABS493	115	BBB5BI2D	17
658175	38	760214	39	913077	27	4949070	21	ABS494	115	BBB5BI2DBT	17
660160	38	760215	39	913078	27	4949071	21	ABS495	115	BBB5BI2DPC	17
660175	38	765247	44	913081	27	4949072	22	ABS496	115	BBB5BIBT	17
661160	38	765248	44	913082	27	ABS022	109	ABS497	115	BBB5BIPC	17
661175	38	779912	22	933015	32	ABS119HPA	48	ABS498	115	BBB5I	17
690160	38	779913	22	933022	33	ABS120HPA	48	ABS499	115	BBB5IBT	17
690170	38	779916	22	933023	33	ABS121HPA	48	ABS500	115	BBB5IPC	17
690175	38	779917	22	949000	84	ABS122HPA	48	ABS501	115	BLP001	96
712201	45	779918	22	949001	84	ABS123HPA	48	ABS502	116	BLP002	96
713110	55	779919	22	949002	84	ABS124HPA	48	ABS503	116	BLP003	96
713111	55	779920	22	949003	84	ABS125HPA	48	ABS504	116	BLP004	96
713112	55	779940	22	949004	84	ABS126HPA	48	ABS505	116	BS00102	99
713113	55	779944	23	949005	84	ABS127HPA	48	ABS506	116	BS00102	101
713114	54	789001	82	949006	84	ABS128HPA	48	ABS524	112	BS2401	103
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713116	54	789008	82	949008	84	ABS131HPA	48	ABS1240HPA	48	BS2405A	103
713117	54	789009	82	949009	84	ABS132HPA	48	ABS1241HPA	48	BS2405B	103
713118	54	830105	27	949010	84	ABS133HPA	49	ABS1261HPA	48	BS2405G	103
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713120	55	830107	27	949012	84	ABS136HPA	49	ABS1310HPA	48	BS2405V	103
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713129	55	840515	35	949015	84	ABS452	111	BBB1BEBT	17	BS130413	99
713130	54	840516	35	949016	84	ABS453	111	BBB1BEP	17	BS130413/C	101
713131	54	840518	35	949017	84	ABS454	111	BBB1BI	17	BS130414	99
713135	54	840519	35	978253	38	ABS455	111	BBB1BIBT	17	BS130414/C	101
713136	54	840520	35	999059B	76	ABS456	111	BBB1BIPC	17	BS130415	99
713137	54	840521	35	999060B	76	ABS457	111	BBB2BE	17	BS130415/C	101
713138	54	840522	35	4949032	22	ABS458	111	BBB2BE2D	17	BS390078	99
713139	54	840523	35	4949033	22	ABS459	111	BBB2BE2DBT	17	BS390078	101
713140	54	840524	35	4949034	22	ABS464	120	BBB2BE2DPC	17	BS390079	99
713147	55	840525	35	4949035	22	ABS464	120	BBB2BEBT	17	BS390079	101
713148	55	840526	35	4949036	22	ABS465	120	BBB2BEP	17	BS390080	99
713149	55	840527	35	4949038	21	ABS465	120	BBB2BI	17	BS390080	101
713150	55	840528	35	4949039	21	ABS466	120	BBB2BI2D	17	BS400200	46
713151	55	840529	35	4949040	21	ABS466	120	BBB2BI2DBT	17	BS400201	46
713162	55	840530	35	4949041	21	ABS467	120	BBB2BI2DPC	17	BS472007	100
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750203	25	861001	46	4949043	21	ABS469	120	BBB2BIPC	17	BS472009	100
750204	25	861002	46	4949044	21	ABS470	120	BBB2E	17	BS472040	100
750205	25	861003	46	4949045	21	ABS471	120	BBB2EBT	17	BS472041	99
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BS720202	100	BSA84	59	BSC660	95	BSD5250	90	BSM032	77	BSM58071B/G	14
BS720203	100	BSA85	59	BSC665	95	BSD7101	91	BSM032/M	77	BSM58071B/RO	14
BS720203/P	102	BSA86	59	BSC729	107	BSF2051	80	BSM200	76	BSM58071B/V	14
BS720204	99	BSA88	61	BSC740	107	BSF2051/CS	80	BSM212	76	BSM58100/AZ	14
BS720204/C	101	BSA094	59	BSC2511	96	BSF2054/CS	80	BSM215	76	BSM58100/B	14
BS720205	100	BSA096	59	BSC2512	96	BSF2054/K	80	BSM220	76	BSM58100/G	14
BS720205/P	102	BSA098	59	BSC2520	96	BSI010	105	BSM230	76	BSM58100/RO	14
BS720206	100	BSA102	61	BSC2521	96	BSI011	105	BSM240	107	BSM58100/V	14
BS800110	100	BSA108	59	BSC2522	96	BSI012	105	BSM241	107	BSM580612D/AZ	19
BSA001	62	BSA0269	34	BSC2524	96	BSI013	105	BSM242	107	BSM580612D/G	19
BSA001M	62	BSA300	63	BSC2525	96	BSI030	105	BSM400	79	BSM580612D/RO	19
BSA002	62	BSA301	63	BSC2527	96	BSI031	105	BSM402	79	BSM580612D/V	19
BSA002M	62	BSA302	63	BSD001	109	BSI032	105	BSM408	79	BSM580712D/AZ	19
BSA05.010.1000	30	BSA303	63	BSD002	109	BSI033	105	BSM410	79	BSM580712D/G	19
BSA05.020.0500	30	BSA304	63	BSD003	109	BSI080	105	BSM416	79	BSM580712D/RO	19
BSA15.010.1000	30	BSA305	63	BSD010	109	BSI081	105	BSM440	79	BSM580712D/V	19
BSA15.020.0500	30	BSA0592	81	BSD011	109	BSI082	105	BSM441	79	BSM581001D/B	15
BSA20.008.1000	30	BSA0594	81	BSD012	109	BSI083	105	BSM470	79	BSM581002D/B	19
BSA20.016.0500	30	BSA0594/P	81	BSD013	109	BSI084	105	BSM470/CS	79	BSM581052D/B	19
BSA021	34	BSA6365	61	BSD300	93	BSI101	71	BSM474	79	BSO025	82
BSA022	34	BSA6465	61	BSD310	93	BSI102	69	BSM477	79	BSO026	82
BSA022/BLU	34	BSA651	61	BSD330	93	BSI103	69	BSM482	79	BSO027	82
BSA022/G	34	BSA655	60	BSD335	93	BSI104	68	BSM483	79	BSO028	82
BSA022/RA	34	BSA656	60	BSD525	90	BSI105	69	BSM570	103	BSO029	82
BSA022/V	34	BSA658	60	BSD585	92	BSI109	107	BSM910/AZ	29	BSO030	82
BSA024	59	BSA659	60	BSD586	92	BSI114	72	BSM910/BI	29	BSO032	82
BSA024/BLU	59	BSA731	61	BSD587	92	BSI220	68	BSM910/G	29	BSO036	82
BSA024/G	59	BSA2101	103	BSD594	92	BSI1022	69	BSM910/RA	29	BSO037	82
BSA024/RA	59	BSA2201	103	BSD598	92	BSI1024	69	BSM910/RO	29	BSO038	82
BSA024/V	59	BSA2301	103	BSD599	92	BSI1026	69	BSM910/V	29	BSO039	82
BSA027	60	BSA2350	103	BSD600	92	BSI1027	69	BSM2120	76	BSO040	82
BSA027	61	BSA2401	103	BSD613	92	BSI1028	69	BSM5810/AZ	24	BSO041	82
BSA029	61	BSA2461	103	BSD630	92	BSI1032	69	BSM5810/RO	24	BSO043	82
BSA030	61	BSA2601	103	BSD632	92	BSI1034	69	BSM5810/V	24	BSO100	82
BSA031S	59	BSA2701	103	BSD650	89	BSI1036	69	BSM5827/AZ	35	BSO100/BLU	82
BSA032	61	BSA2801	103	BSD680	89	BSI1037	69	BSM5827/RO	35	BSO100/GR	82
BSA037	108	BSA5258	61	BSD700	91	BSI1038	69	BSM5827/V	35	BSO100/RO	82
BSA038TX	108	BSC105	95	BSD701	91	BSI4401	68	BSM58025B1D/AZ	15	BSO100/V	82
BSA039	108	BSC123	95	BSD702	91	BSL274	71	BSM58025B1D/G	15	BSO113	82
BSA045	61	BSC124	95	BSD703	91	BSL276	71	BSM58025B1D/RO	15	BSP048	81
BSA046	61	BSC128	95	BSD704	91	BSL277	71	BSM58025B1D/V	15	BSP049	81</

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Cat.No	Pg	Cat.No	Pg	Cat.No	Pg	Cat.No	Pg
BSP300	60	BSV150	57	CL5ARBIPSTS/B	12	CL810/RA	29
BSP2501	79	BSV150	93	CL5ARIPSTS	12	CL810/RO	29
BSR001	50	BSV180	57	CL5ARIPSTS/B	12	CL810/V	29
BSR002	50	BSV1200	75	CL15.002.0500	30	CL811	29
BSR003	50	BSV1201	75	CL15.004.0050S	30	CL811/AZ	29
BSR004	50	BSV1205	75	CL15.010.1000B	30	CL811/BI	29
BSR007	50	BSV1210	75	CL15.020.0500B	30	CL811/G	29
BSR008	50	BSV1211	75	CL15.100.0001S	30	CL811/RA	29
BSR009	50	BSV1215	75	CL20.002.0500	30	CL811/RO	29
BSR011	50	BSV1351	57	CL20.004.0050S	30	CL811/V	29
BSR012	50	BSV1371	57	CL20.008.1000B	30	CL812	29
BSR013	50	BV057	80	CL20.016.0500B	30	CL812/AZ	29
BSR014	50	BV058	80	CL20.100.0001S	30	CL812/BI	29
BSR017	50	BV059	80	CL022	34	CL812/G	29
BSR018	50	BV060	80	CL50.002.0100	31	CL812/RA	29
BSR019	50	BV100	109	CL50.006.0500B	31	CL812/RO	29
BSR041	50	BV101	109	CL50.006.0500B	31	CL812/V	29
BSR042	50	BV102	109	CL50.010.0020S	31	CRY910TS/AZ	24
BSR048/N	50	BV103	109	CL50.030.0100B	31	CRY910TS/BI	24
BSR049/N	50	BV104	109	CL50.030.0100B	31	CRY910TS/G	24
BSR062	50	BVS100	67	CL50.050.0001S	31	CRY910TS/RO	24
BSR063	50	BVS101	67	CL100	47	CRY910TS/V	24
BSR064	50	BVS102	67	CL101	47	CRY910TS/VI	24
BSR066	50	BVS171	67	CL102	47	CRY920TS	24
BSR067	50	BVS190	67	CL103	47	SG20BHP-USB002	22
BSR075	50	BVS1715	67	CL105	47	SG20THP-USB001	22
BSR076	50	BVS1717	67	CL106	47	VBS626	73
BSR080	50	BVS1719	67	CL107	47	VBS627	73
BSR0625	50	BVS1720	67	CL108	47	VBS628	73
BSR0665	50	BVS1721	67	CL109	47	VBS629	73
BSS130	109	CL1ARBEPSTS	13	CL111	47	VBS630	73
BSS131	109	CL1ARBEPSTS/B	13	CL112	47	VBS633	70
BSS133	109	CL1ARBIPSTS	12	CL113	47	VBS634	70
BSS134	109	CL1ARBIPSTS/B	12	CL0269	34	VBS636	70
BSS140	109	CL2ARBEP2D	18	CL474	37	VBS637	70
BSS141	109	CL2ARBEP2D/B	18	CL474	78	VBS638	70
BSS230/R	109	CL2ARBEPSTS	13	CL475	37	VBS649	70
BSS231/R	109	CL2ARBEPSTS/B	13	CL475	78	VBS650	70
BSS232/R	109	CL2ARBIP2D	18	CL477	37	VBS651	70
BSS233/R	109	CL2ARBIP2D/B	18	CL477	78	VBS653	70
BSS234/R	109	CL2ARBIPSTS	12	CL482	37	VBS653/A	70
BSS235/R	109	CL2ARBIPSTS/B	12	CL482	78	VBS654	70
BSS236/R	109	CL2AREPSTS	13	CL490	37	VBS654/A	70
BSS237/R	109	CL2AREPSTS/B	13	CL490	78	VBS655	70
BSS238/R	109	CL2ARIPSTS	12	CL600	29	VBS655/A	70
BSS250	109	CL2ARIPSTS/B	12	CL604/S	29	VBS656	70
BSS251	109	CL3ARBEPSTS	13	CL606/S	29	VBS656/AR	70
BSS252	109	CL3ARBEPSTS/B	13	CL610	29	VBS656/AZ	70
BSS700	108	CL4ARBEPSTS	13	CL614/S	29	VBS656/B	70
BST128	87	CL4ARBEPSTS/B	13	CL616/S	29	VBS656/G	70
BSTA18	80	CL4ARBIPSTS	12	CL720	29	VBS656/RA	70
BSTA21	80	CL4ARBIPSTS/B	12	CL724/S	29	VBS656/V	70
BSTA23	80	CL4ARIPSTS	12	CL726/S	29	VBS5001	70
BSTA33	80	CL4ARIPSTS/B	12	CL730	29	VBS6502	70
BSV011	87	CL05.001.0500	30	CL734/S	29	VBS6512	70
BSV012	87	CL05.005.0100S	30	CL736/S	29	ZTD-SPLS-FLT	23
BSV120	75	CL05.010.1000B	30	CL740	29	ZTD-SPLS-FLT1	23
BSV121	75	CL05.020.0500B	30	CL744/S	29	ZTS-1DR2-A4-BRK	22
BSV0121	87	CL05.050.0001S	30	CL746/S	29		
BSV0123P	87	CL5ARBEP2D	18	CL750	29		
BSV134	57	CL5ARBEP2D/B	18	CL754/S	29		
BSV135	57	CL5ARBEPSTS	13	CL756/S	29		
BSV136	57	CL5ARBEPSTS/B	13	CL810	29		
BSV137	57	CL5ARBIP2D	18	CL810/AZ	29		
BSV140	57	CL5ARBIP2D/B	18	CL810/BI	29		
BSV143	57	CL5ARBIPSTS	12	CL810/G	29		

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