Biosigma ®

CLEARLine®

Be cool, be safe, be **CLEAR**Line

MADEinITALY

Company Profile

Since 1988 Biosigma S.p.A. 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 45001and ISO 14001 certified, able to adapt our biotecnology 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 Biotechnlogy fields.

Most of the products manufactured by Biosigma are classified as in vitro diagnostic medical devices and therefore they are CE marked in accordance with current legislation.

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 200,000-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 UNI ISO 45001:2018 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.

FDA

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

CE Marking

Most of the products manufactured by Biosigma are classified as in vitro diagnostic medical devices and therefore they are CE marked in accordance with current legislation.

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 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

BIOSIGMA S.p.A.
as a GREEN COMPANY

CLEARLine®
Be cool, be safe, be CLEARLine®

Enter the Biosigma's forest. Request your tree for free.
Scan the qrcode and redeem your tree.

Welcome to the Jungle.

Treedom is the first platform in the world that allows you to plant a tree from a distance and follow the story of the project online.
Since its foundation in 2010 in Florence, more than 3.000.000 trees have been planted in Africa, South America and Italy. All trees are planted directly by local farmers and bring environmental, social and financial benefits to their communities. Thanks to its business model, in 2014 Treedom became part of the Certified B Corporations, a network of companies that stand out for high environmental and social performance.

WE PREFER THE "GREEN"
OUR COMMITMENT TO SUSTAINABLE DEVELOPMENT AND ENVIRONMENTAL PROTECTION

CLEARLine® Since 2010, in respect of the environment, the energy used in the Biosigma plants is self-produced from renewable sources or, for the remainder, purchased with a TUV Green Certificate.
CLEARLine® products are manufactured in Italy with respect for the environment.

ISO 14001 SGS Since 2013 Biosigma has successfully obtained the UNI EN ISO 14001 environmental certification. Achieving a balance between environment, society and economy is considered essential to meet the needs of the present without compromising the ability of future generations to satisfy their own. That is why with the adoption of this standard, Biosigma aims to protect the environment by preventing or mitigating negative environmental impacts and to continuously improve its environmental performance.

GO GREEN Greener items: less plastic, reduced packaging, recyclable packaging, equipment with lower electricity consumption, recyclable waste, easily repairable equipment, etc ...
At the same time we select and prefer products with these characteristics; these items can be identified by their Go-Green logo in our catalogs and on www.biosigma.com

We encourage smart working and video calls with our customers and suppliers.
Let's reduce the consumption of hard coal!

Electric mobility is important.
Free charging station available to all.

95% of our cardboard, paper and plastic waste is sorted, entrusted to a recycling company and thus escapes incineration or landfill.

The Biosigma Forest. The project is to buy 500 trees every year and to give them to our collaborators.

Lighting of our factory 100% LED.

Catalogs printed on recycled and recyclable paper, itself made from wood, a renewable resource, using non-toxic inks from a certified service provider.

OGYRE and BIOSIGMA toghether for the recovery of litter from the ocean

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Adherent to:

ogyre

OGYRE and BIOSIGMA
toghether for the
recovery
of litter from the ocean

treedom®
let's green the planet

The Biosigma forest is born

CONFINDUSTRIA VENEZIA
AREA METROPOLITANA DI **VENEZIA** E **ROVIGO**

Member of:

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

isber
INTERNATIONAL SOCIETY FOR BIOLOGICAL
AND ENVIRONMENTAL REPOSITORIES

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WWW.BIOSIGMA.COM

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CRYOWARE

CryoGen® Tubes / 1D linear barcode

CE IVD

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

- 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 and Certificate of validated Beta rays treatment are available for download on www.biosigma.com

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

CLEARline® | DNase RNase | Human DNA | PCR Inhibitors | ATP | Pyrogen | Beta Ray Sterile SAL 10⁶ EN ISO 11137 | MEDICAL GRADE

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

Innovative internal and external screw caps are produced from medical grade polyethylene (PE) and are comolded 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

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

Star shaped top cavity is engineered foruse with automatic decapping equipment

Chemical resistant caps

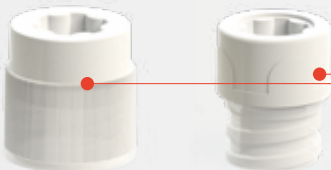**Slim profile** external caps ensure better fit in standard racks and boxes

Vials and caps are **autoclavable**

Printed graduations for accurate measurements

White writing surface for specimen identification

Chemical resistant polypropylene (PP) vial

Round bottom or **self standing**

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.

Be cool, be safe, be **CLEARLine**

Dispenser Box
500 pcs (10 bags of 50)

Inner sealed Zip bag of 50 pcs
With sterilization indicator

CryoGen® Tubes / **1D** linear barcode **INTERNAL CAP Tubes**

CryoGen Tubes Internal cap
Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free

CE IVD

1.2 ml   2.0 ml   4.0 ml   5.0 ml

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)

CryoGen® Tubes / **1D** linear barcode **EXTERNAL CAP Tubes**

CryoGen Tubes External cap
Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free

CE IVD

1.2 ml   2.0 ml   3.0 ml   4.0 ml   5.0 ml

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

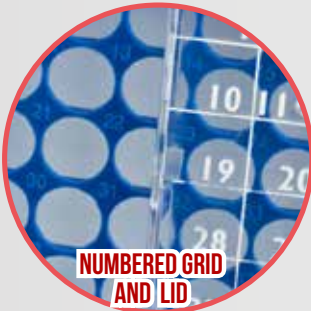| CAT. NO.	Vol. (ml)	Height (cm)	Bottom style	Internal packaging	Sale unit
CL1ARBEPSTS/B	1.2	4.02	Self Standing	bag / 50	carton / 4500
CL2ARBEPSTS/B	2.0	4.56	Self Standing	bag / 50	carton / 4000
CL2AREPSTS/B	2.0	4.45	Round bottom	bag / 50	carton / 4000
CL3ARBEPSTS/B	3.0	6.92	Self Standing	bag / 50	carton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

CRYOWARE

Cryoboxes in polycarbonate

CE [IVD]

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 (vapor phase of liquid nitrogen)**
> ▶ **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 (vapor phase of liquid nitrogen)

▶ 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

NUMBERED GRID AND LID

WRITING FROSTED AREA

VIAL PICKER

CLEARLine®
Accessories

25 Places

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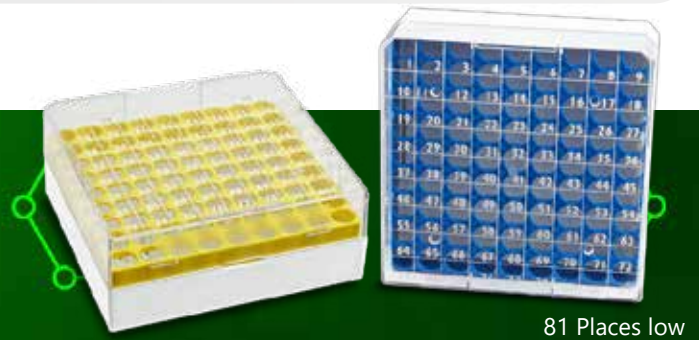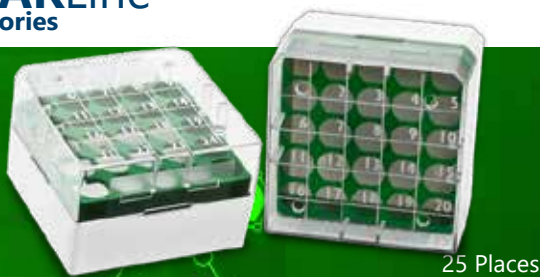
CryoGen® Box 25 pad printed grid lid
for 1 - 2 ml tubes, external and internal cap

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

81 Places high

100 Places

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

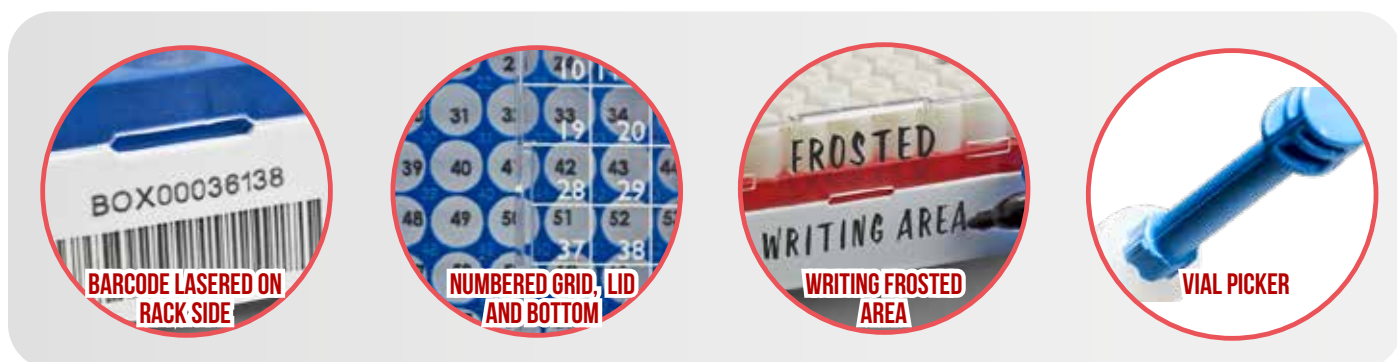### CryoGen® Box 100 pad printed grid lid
for 1 - 2 ml tubes, internal cap

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

CRYOWARE

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 (vapor phase of liquid nitrogen)
- ▶ 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

BARCODE LASERED ON RACK SIDE

NUMBERED GRID, LID AND BOTTOM

WRITING FROSTED AREA

VIAL PICKER

CLEARLine®
Accessories

25 Places

81 Places low

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

81 Places high

100 Places

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

2D CRYOLINE

CryoGen® Tubes / 2D barcode

CE IVD

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

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

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 unique and unrepeatable 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

▶ 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 and Certificate of validated Beta rays treatment are 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

CryoGen Tubes 2D External cap
Sterile, DNase, RNase, Human DNA, ATP, Pyrogen free

2.0 ml   5.0 ml

https://bit.ly/2JELQ3x

Internal cap

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

External cap

| 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

CRYOWARE

2D Cryoboxes in polycarbonate 81 and 100 places

CE IVD

- ▶ 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 (vapor phase of liquid nitrogen)
- ▶ Autoclavable at 121 °C for 20 minutes
- ▶ Vial Picker supplied with each inner pack
- ▶ White bottom
- ▶ In polycarbonate

AUTOMATIC RACK ORIENTATION
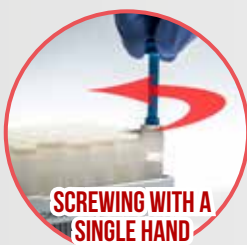
SCREWING WITH A SINGLE HAND
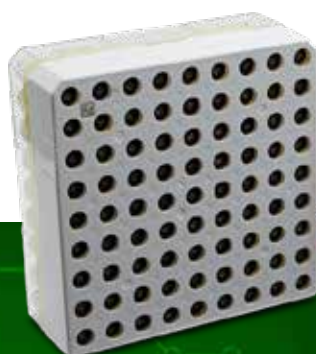
NUMBERED GRID AND LID

WRITING FROSTED AREA

BARCODE LASERED ON RACK SIDE

CLEARLine® Accessories

81 Places 2D low

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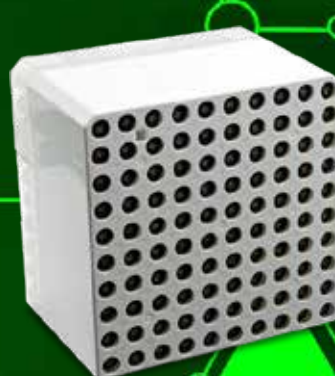
Box 81 LOW pad printed grid lid 2D
for 2 ml tubes

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

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

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

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

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

CRYOWARE

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

CE IVD

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 Cube Rack Reader

CLEARLine®
Accessories

SCREWING WITH A SINGLE HAND

FOR CUBE RACK READER

ENGRAVED LID

SCANNING WINDOW AND 2D DATAMATRIX ON THE BOTTOM

LINEAR BARCODE ON RACK SIDE

ENGRAVED LETTERS   **ALPHANUMERIC BOTTOM**   **SERIGRAPHED LETTERS AND NUMBERS**

SERIGRAPHED NUMBERS
ALPHANUMERIC BOTTOM
**LINEAR BARCODE ON RACK SIDE**
ENGRAVED LETTERS

Tested compatibility with **Hamilton LabElite ID Capper** for 2D CryoGen® Tubes 2ml Internal and External Cap

48 PLACE ANSI/SLAS Racks
(racks only)

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 PLACE ANSI/SLAS Racks
Pre-Racked with 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
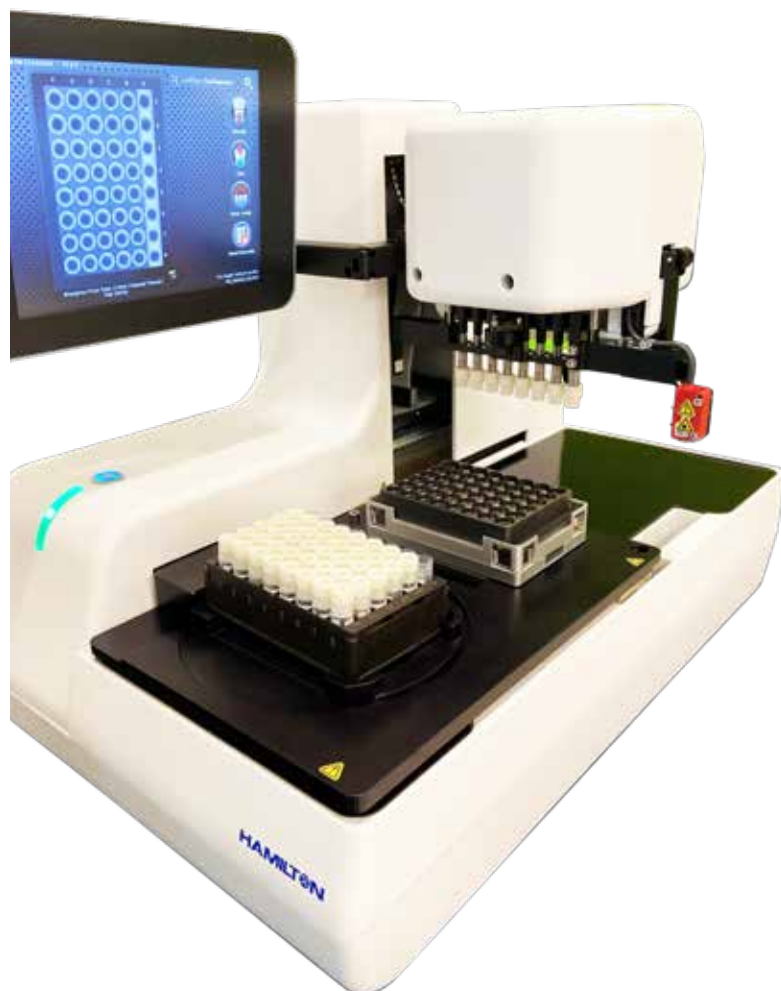
CRYOPACKAGE

Automated solution on the market to eliminate the risks and complications associated with storing and retrieving samples in liquid nitrogen tanks, minimising the risks to operators.

SMARTFREEZER® EVO and SMARTFREEZER® EVO LAB meet the following requirements:

- Security and management speed
- Human error elimination
- Reduction of operating costs
- Remote management
- Full event traceability
- Elimination of operator's risks

CRYOGEN® TUBES 2D ⇄ **SMARTFREEZER® EVO LAB** ⇄ **SOFTWARE MANAGEMENT**

SINGLE SCREW DECAPPERS for CryoGen® Tubes

Electronic Decapper/Recapper and Tube Picker

Versatile and easy to use tool specifically designed to decap and recap CryoGen® Tubes 2D barcode tubes and enable the user to individually pick and place tubes from CryoGen® Boxes 2D and ANSI/SLAS racks

FEATURES
- Rapid decapping and capping
- Very simple to use
- USB Battery charger
- Closing intensity adjustment
- Light weight

Package Contents
- Electronic Decapper/Recapper
- USB cable
- USB charger

CLEARLine®
Accessories

CAT. NO.	Description	Internal packaging	Sale unit
BSM580481	Single screw decapper	1	1

Fully automatic capper / decapper
for 48 places SBS ANSI/SLAS rack & 2ml CryoGen® Tubes

Digital automatic Decapper/Recapper

FEATURES
- 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

The new Biosigma decapper provides a simple decapping and capping solution for CryoGen® Tubes 2D in a SBS ANSI/SLAS 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 2ml CryoGen® Tubes.

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.

| CAT. NO.	Description	Internal packaging	Sale unit
BSM58048	Fully automatic capper / decapper	1	1

Samples

A sample management system optimised for your laboratory's needs

- ▶ Samples is a laboratory sample management tool designed to keep your sample storage inventory organised.
- ▶ Samples software includes a host of features designed to streamline your sample storage workflows and makes adding and searching sample information quick and simple.
- ▶ Its intuitive import tools allow integration with existing sample databases, while its range of sample entry options and fully editable set-up parameters means the system can be optimised for your laboratory or storage facility.
- ▶ We can even add custom features, developed by our programmers to your specifications, to ensure Samples provides the exact solution for your inventory management requirements.

Inventory View and Container View
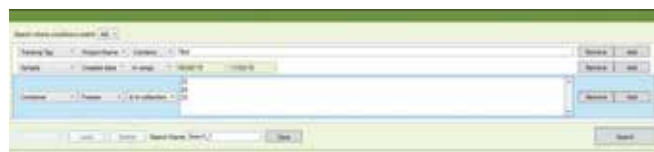
Save and customise multi-parameter searches

EASY DATA INPUT

In addition to manual entry of individual samples using the intuitive user interface, Samples lets you easily import sample data from existing records in Excel spreadsheet or text file format. Our Import Wizard ensures your imported data is compatible, meaning adding legacy data couldn't be simpler. You can scan in samples quickly and easily using Ziath's DataPaq™ barcode readers, and efficiently register any changes to your 2D storage racks and boxes.

CUSTOM DESCRIPTORS

Samples' customisable Tracking Tags and Sample Types allow you to associate fully-searchable data with your samples. Create an unlimited number of Tracking Tags to describe your samples using a variety of descriptor formats including free text, quantities, dates and even links to documents such as safety or regulatory datasheets. Our Sample Types labelling feature allows differentiation between, for example, samples in multiple laboratories, and each Sample Type can have its own set of Tracking Tags.
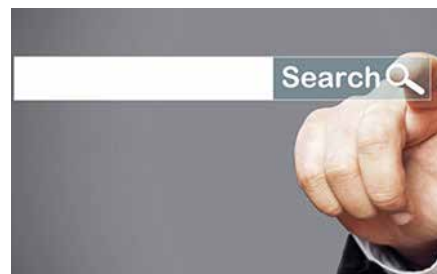
POWERFUL SEARCHING

Samples lets you easily switch between viewing graphical displays of container layouts or a list of all containers and samples. Our multi-parameter search tool allows you to combine search terms to locate specific samples using Tracking Tags and Sample Type entries, keywords, location or date records. You can even save regularly-used searches and customise them for future use. And with our archive function, you will never lose access to historical data, even when a container has been permanently removed from storage.

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

Scanner & Software by **Ziath**
## compatible with CryogenTubes® 2D

DATAPAQ™ CUBE

DataPaq™ Cube Rack Reader

A compact, versatile, quick and robust scanner with minimal cabling.
The DataPaq™ Cube Rack Reader is a 2D datamatrix tube camera reader with a scan & decode time of 1-2 seconds on a 'normal' computer.
The Cube can read all racks on the market including 2D Cryoboxes and SBS racks; even 384 racks.
The DataPaq™ Cube 2D scanner offers easy, out-of-the-box set up and is delivered pre-calibrated and ready to scan.
This instrument can scan all racks in the SBS format, regardless of the conguration or number of tubes, and by a quick and easy change of mask (included as standard) it can also scan all 2D Cryoboxes formats.
Our new automatic rack type detection feature means that you no longer have to congure the Cube for all rack types. Simply place your rack on the scanning window and the software will work out what type of rack it is and run the scan - easy!
Free DataPaq™ software upgrades for life.
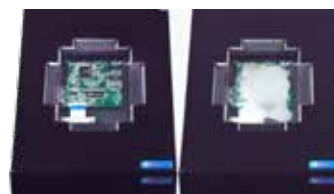
Ziath's Cryoprotection™ reduces condensation caused by cold racks. It uses no heat, no fans and does not add any heat into the rack being scanned.

DataPaq software is ten years in development and is not only an amazing barcode reading tool but also intuitively easy to use

▶ Compatible with 24, 48, 96, 240, 384 SBS racks
▶ Compatible with 81 and 100 2D Cryoboxes
▶ Smallest 'scan all' scanner on the market
▶ Camera based instrument resulting in rapid imaging and decoding
▶ Footprint ideal for benchtop and integration
▶ Minimal cabling
▶ All the exported information can be integrated into systems such as: Oracle, SQL, MySQL, Postgres, HSQL and many others.
▶ DataPaq™ software displays the results of the scan

DataPaq™ Handheld Tube Reader

DataPaq™ Cube Rack Reader

CAT. NO.	Description	Sale unit
ZTS-CBE	DataPaq™ Cube Rack Reader	1
ZTS-CBE-80	DataPaq™ Cube Rack Reader with Cryoprotection™	1
ZTS-1DR2-CUBE	Cube 1D Rack Code Scanner	1
ZTS-1DR2-CUBE-BRK	Replacement Bracket for Cube 1D Rack Scanner	1
ZTS-DPQ-317	Upgrade DataPaq Software for Brooks Acoustic Coded Tubes.	1

CLEARLock™ MICROTUBES IN PP WITH SECURE LOCKING SYSTEM

CLEARLock™
The best protection ever for your samples!

CE IVD

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.

CLEARLINE PACKAGING

RECLOSABLE ZIP BAG

HINGED LID

HIGH SPEED CENTRIFUGATION

▶ 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
▶ 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

2.0 ml   1.5 ml   0.5 ml

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.

CE IVD

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

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

CLEARLine® guaranteed purity.
Tests and certificate available on request.

Graduated with writing area.

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

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

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

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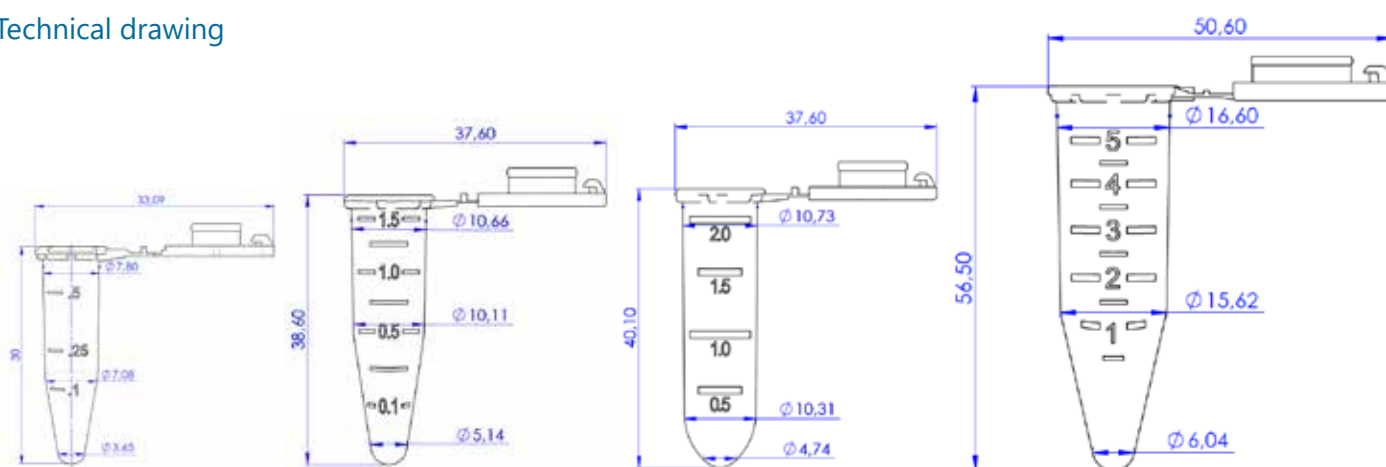
CLEARLine®
"Be cool, be safe, be CLEARLine"

DNase RNase   Human DNA   PCR Inhibitors   ATP   Pyrogen   MEDICAL GRADE

MICROCENTRIFUGE TUBES WITH SNAP CAPS

Microtubes in PP 0.5, 1.5 and 2.0 ml **CLEAR**Line

CE | IVD

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

DNase RNase | Human DNA | PCR Inhibitors | ATP | Pyrogen | MEDICAL GRADE

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

NEW

AMBER VERSIONS

CLEARLINE PACKAGING
RECLOSABLE ZIP BAG
WRITING CAP

CL026
CL022
CL0269

Microtube in PP 0.5, 1.5 and 2.0 ml ClearLine

CAT.NO	Color	Volume (ml)	Internal packaging	Sale unit
CL026	neutral	0.5	bag/500	case/2000
CL026/AM	amber	0.5	bag/500	case/2000
CL022	neutral	1.5	bag/500	case/1000
CL022/AM	amber	1.5	bag/500	case/1000
CL0269	neutral	2.0	bag/500	case/1000
CL0269/AM	amber	2.0	bag/500	case/1000

Microtubes in PP 0.5, 1.5 and 2.0 ml

CE | IVD

Microtube in polypropylene 0.5, 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)

NEW

BSA026
BSA021
BSA022
BSA0269
BSA022/BLU
BSA022/G
BSA022/V
BSA022/RA

Microtube in PP 0.5, 1.5 and 2.0 ml, with or without cap

CAT.NO	Color	Vol. (ml)	Dimension (cm)	with cap	Internal packaging	Sale unit
BSA026	neutral	0.5	H 3.10 Ø 0.78	X	bag/1000	case/10000
BSA026/AM	amber	0.5	H 3.10 Ø 0.78	X	bag/1000	case/10000
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/AM	amber	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
BSA0269/AM	amber	2.0	H 4.20 Ø 1.08	X	bag/1000	case/8000

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.

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

CL600 CL610 CL720 CL730 CL740 CL750

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

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

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

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

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

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

CL744/S CL746/S CL754/S CL754/AM CL756/S

NEW

Sterile microtube: 2.0 ml, o-ring cap

CAT. NO.	Color	Height mm ± 0.34	Bottom	O-Ring	Writing area	Int. pack	Collar	Sale unit
CL744/S	neutral	47.2	conical	X	X	bag/500		case/1000
CL746/S	neutral	48.4	conical	X	X	bag/500	X	case/1000
CL754/S	neutral	48.6	self standing	X	X	bag/500		case/1000
CL754/AM*	amber	48.6	self standing	X	X	bag/1000		case/3000
CL754/SAM	amber	48.6	self standing	X	X	bag/500		case/1000
CL756/S	neutral	49.8	self standing	X	X	bag/500	X	case/1000

* non sterile

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

New Biosigma CLEARLine® STERILE FILTER TIPS, RACKED

UNIVERSAL FILTER TIPS IN RACK, in PP Sterile, Low Retention.
DNase & RNase free, Pyrogen free - CLEARLine®

FEATURES
▶ New CLEARLine® packaging
▶ QR code in the label that simplifies tracking of lot number and expiry date
▶ Filtered tip, in natural polypropylene
▶ Sterile
▶ Autoclavable at +121°C
▶ Standard and low retention
▶ DNase & RNase free, Pyrogen free
▶ Racked, hinged lid
▶ Compatible with most micropipettes on the market
▶ Environmentally Green friendly packaging

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

Tip: CLEARLine® Standard

Photo	CAT. NO.	Volume (µl)	Features	Sterile	Internal packaging	Sale unit	Compatibility
10µl Universal filter tips	028200CLH	10µl	Universal filter tips (31,65mm)	X	10 Rack of 96 pcs	960	
10µl Universal filter tips longer	015020CLH	10µl	Universal filter tips longer (45,80mm)	X	10 Rack of 96 pcs	960	
20µl Universal filter tips	014210CLH	20µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	
100µl Universal filter tips	036060CLH	100µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	Axygen,Thermo,Gilson, Eppendorf and so on only except special pipette models
200µl Universal filter tips	014220CLH	200µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	
1000µl Universal filter tips	014200CLH	1000µl	Universal filter tips (78,05mm)	X	10 Rack of 96 pcs	960	
1000µl (1250µl) Universal filter tips	134000CLH	1000µl (1250µl)	Universal filter tips (102,00±0,25mm)	X	10 Rack of 96 pcs	960	

Tip: CLEARLine® Low Retention

Photo	CAT. NO.	Volume (µl)	Features	Sterile	Internal packaging	Sale unit	Compatibility
10µl Universal filter tips	713130H	10µl	Universal filter tips (31,65mm)	X	10 Rack of 96 pcs	960	
10µl Universal filter tips longer	713114H	10µl	Universal filter tips longer (45,80mm)	X	10 Rack of 96 pcs	960	
20µl Universal filter tips	713115H	20µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	
100µl Universal filter tips	713116H	100µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	Axygen,Thermo,Gilson, Eppendorf and so on only except special pipette models
200µl Universal filter tips	713117H	200µl	Universal filter tips (50,55mm)	X	10 Rack of 96 pcs	960	
1000µl Universal filter tips	713118H	1000µl	Universal filter tips (78,05mm)	X	10 Rack of 96 pcs	960	
1000µl (1250µl) Universal filter tips	713119H	1000µl (1250µl)	Universal filter tips (102,00±0,25mm)	X	10 Rack of 96 pcs	960	

FILTER TIPS

CLEARLine® Tips compatibility with HPpette

Match the right tip to each HPpette

Tips (X = compatible)		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 5µl	ABS120HPA 10µl	ABS121HPA 20µl	ABS1210HPA 25µl	ABS122HPA 50µl	ABS123HPA 100µl	ABS124HPA 200µl	ABS1241HPA 500µl	ABS125HPA 1000µl	ABS136HPA 0.5-10µl	ABS133HPA 5-50µl	ABS135HPA 50-300µl
		Micropipettes Single channel — Adjustable volume										Fix volume									Multichannel 8 channel		
028200CLH	10µl	X	X									X	X								X		
015020CLH	10µl longer																						
014210CLH	20µl			X										X								X	
036060CLH	100µl				X	X									X	X	X					X	
014220CLH	200µl																						
014200CLH	1000µl								X	X									X	X			
134000CLH	1000µl (1250µl)																						
713130H	10µl low retention	X	X									X	X								X		
713114H	10µl longer low retention																						
713115H	20µl low retention			X										X								X	
713116H	100µl low retention				X	X									X	X	X					X	
713117H	200µl low retention																						
713118H	1000µl low retention								X	X									X	X			
713119H	1000µl (1250µl) low retention																						
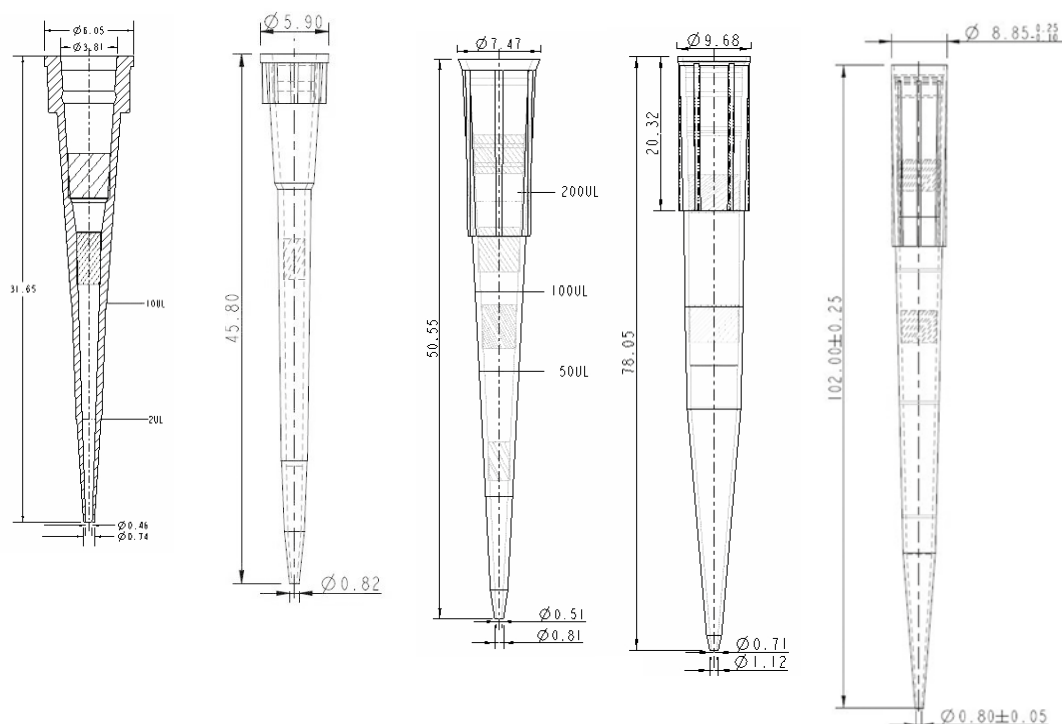
Standard	028200CLH	015020CLH	014210CLH 036060CLH 014220CLH	014200CLH	134000CLH
Low Retention	713130H	713114H	713115H 713116H 713117H	713118H	713119H

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 inhibtors and Pyrogen free
- ▶ Sterile
- ▶ 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 removable lid, for under hood use

Certificate ISO-8655

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, Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 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 Finnpipette 200 µl	130510CL	10x96	130510TCL	10x96
Multiguard 1000 µl	100-1000 µl	Universal (71.8 mm)	Gilson P1000 Eppendorf 1000 µl Finnpipette 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

Tips compatibility with **HP**pette

Match the right tip to each HPpette

| | | Micropipettes Single channel | | | | | | | | | | | | | | | | | | Multichannel 8 channel | | |
| | | Adjustable volume | | | | | | | | | Fix volume | | | | | | | | | | | |
Tips	X = compatible	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	ABS121HPA 20 µl	ABS1210HPA 25 µl	ABS122HPA 50 µl	ABS123HPA 100 µl	ABS124HPA 200 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 (lenght 28.8mm)	X	X								X	X								X		
038000CL 038000TCL	0.1 - 10 µL long tip (lenght 45mm)	X	X								X	X								X		
130340CL	0.1 - 10 µL long fine tip (lenght 45mm)	X	X								X	X								X		
015020CL 035210CL	0.5 - 10 µL Eppendorf-type short tip (lenght 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 (lenght 78mm)			X	X	X	X	X					X	X	X	X	X				X	
014200CL 035260CL	100 - 1000 µL long tip (lenght 102mm)								X	X								X	X			
134000CL	50 - 1250 µL long tip (lenght 102mm)								X	X								X	X			
030560ACL 030570ACL	0.1 - 10 µL long fine tip (lenght 45mm)	X	X								X	X								X		
037640CL 037660CL 037640TCL	0.1 - 10 µL long tip (lenght 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			
134750CL 134760CL	50 - 1250 µL long tip								X	X								X	X			

CLEARLINE STERILE FILTER TIPS RACKED

CLEARLINE NON-FILTER TIPS, RACKED

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**

ClearLine®

DNase RNase · Human DNA · PCR Inhibitors · Endo-toxins · Pyrogen

ClearLine® Tips with hinged-lid rack

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 CAT. NO.	Sterile tips without filter CAT. NO.	Volume (µl)	Tray Color	Description	Int. pack.	Sale unit
	713130	713136	10	red	10 µl graduated tip Length: 31.24 mm	10 x 96	960
	713114	713135	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	200	yellow	200 µl graduated tip Length: 59.54 mm	10 x 96	960
	713131	713138	300	green	300 µl graduated tip Length: 59.54 mm	10 x 96	960
	713118	713139	1000	blue	1000 µl graduated tip Length: 81.78 mm	8 x 96	768
	713119	713140	1250	blue	1250 µl graduated tip Length: 98.40 mm	8 x 96	768

NB: Picture are not in scale

FILTER TIPS

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)**

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

NB: Picture are not in scale

Empty boxes for reload system

CAT. NO.	Description	Internal packaging	Sale unit
713120	Empty boxes for Clearline® 10-300 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

Hinged-lid

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.
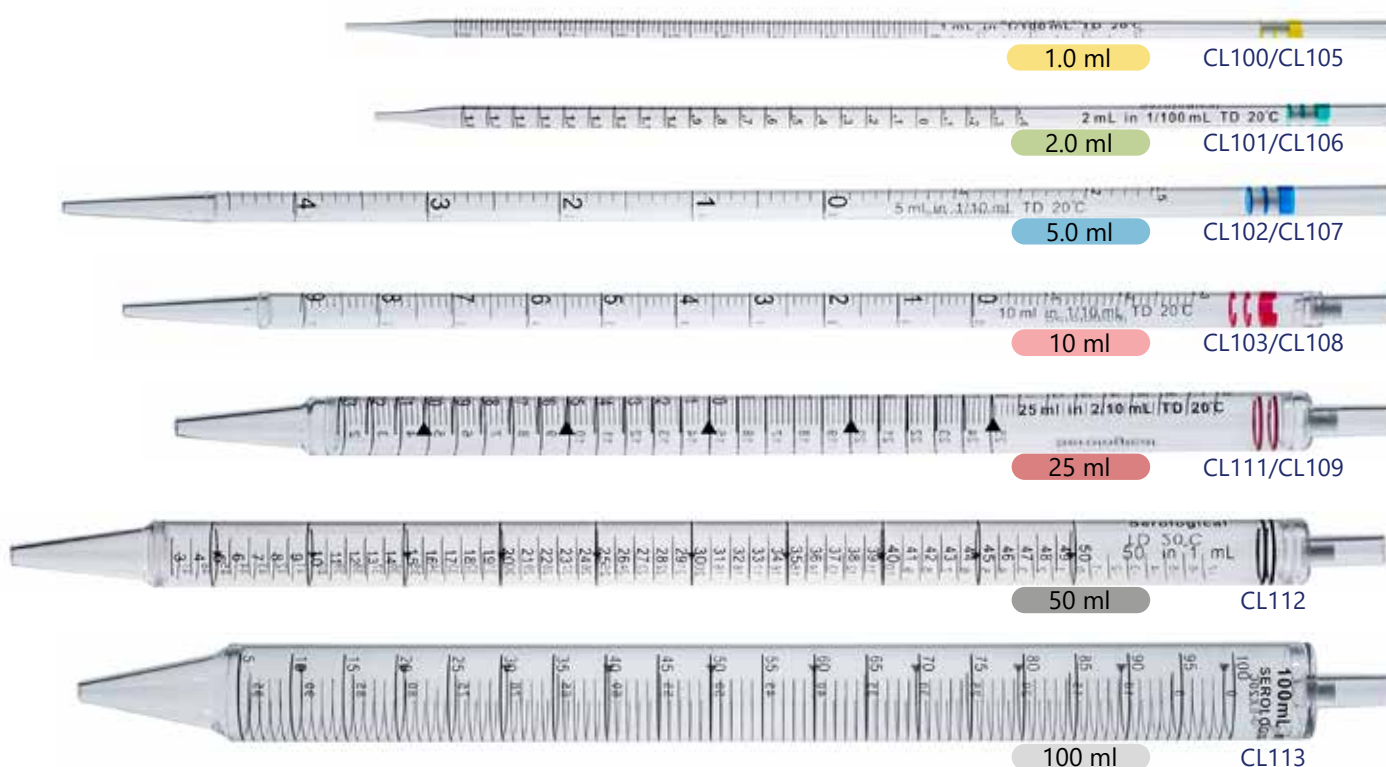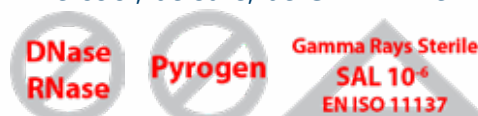
- ▶ Seven types of volume 1, 2, 5, 10, 25, 50 and 100 ml
- ▶ Bidirectional graduation and negative graduation improve the accuracy
- ▶ Color code on tips make pipettes easily recognizable
- ▶ Sterile at gamma rays 10^{-6}
- ▶ Packaged in bags
- ▶ Bulk packaging and individually packaging in plastic/paper 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

1.0 ml	CL100/CL105
2.0 ml	CL101/CL106
5.0 ml	CL102/CL107
10 ml	CL103/CL108
25 ml	CL111/CL109
50 ml	CL112
100 ml	CL113

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

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 polypropylne
- ▶ 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 10^{-6}
- ▶ 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®
"Be cool, be safe, be CLEARLine"

DNase RNase | Pyrogen | Gamma Rays Sterile SAL 10⁻⁶ EN ISO 11137

CL482	CL474	CL477	CL475
15 ml	50 ml	50 ml	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				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	polypropylne		RNase-free DNase-free Non-pyrogenic Sterile	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

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and recyclable paper

OGYRE and BIOSIGMA
toghether for the recovery
of litter from the ocean

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