



Biosigma

www.biosigma.com
Made in Italy products

CryoGen® Line



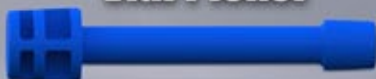
CryoGen® Tubes CLEARLINE®
with MARIA Stella
external cap



CryoGen® Tubes CLEARLINE®
with MARIO Stella
internal cap



Vial Picker



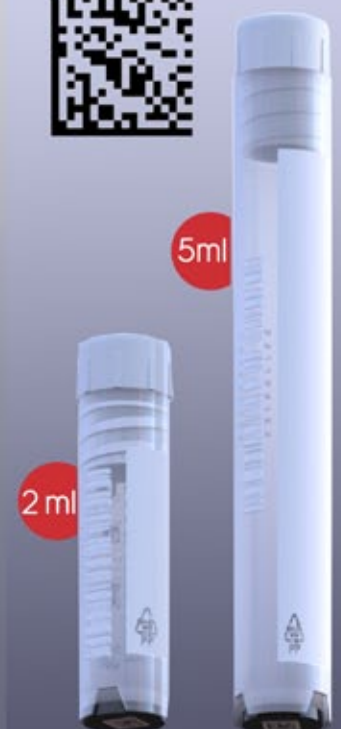
Cap-Disks Stella



CryoGen® Tubes
MARIA Stella 2D



CryoGen® Tubes
MARIO Stella 2D





The Biosigma CryoGen® vial system is designed for cryogenic storage of biological specimens at temperatures as low as **-196°C**.

Raw Materials "Medical grade" in accordance with USP CLASS VI, ISO 10993

- ✓ Non Cytotoxic
- ✓ Non Emolytic
- ✓ Heavy metals free,
- ✓ Ingredients of animal origin free.

Environment

Manufactured in conformity to

- ✓ ISO 13485
- ✓ ISO 14644
- ✓ ISO 14698

in Clean Room:
Class ISO 7 (UNI EN ISO 14644-1),
Class 10.000 (US FED STD 209E)

Green Inside

Biosigma plants utilize energy coming from photovoltaic system covering the most part of needs. The rest is covered by energy purchased with green Certificate TUV-SUD Erzeugung EE

Resistance

- ✓ Resistant at temperatures as low as -196 C.
- ✓ **Autoclavable.**

CLEARLine®

ClearLine® is a specific brand created by Biosigma S.r.l. to certify the purity of the products. The control and the certification are done by an external laboratory. The leak-proof of the product is randomly tested in our own testing facilities. Biosigma guarantee the CryoGenTubes ClearLine to be resistant at a pressure of 95 kPa (0,95 bar, 14psi), in compliance with ADR/IATA requirements.



Non Cytotoxic – Non Hemolytic

- ✓ The material has passed the United States Pharmacopeia testing including Class VI tests.
- ✓ Material has successfully passed the biological tests according to ISO 10993 - external communicating devices for indirect blood contact for a prolonged period.

Packaging

Dispenser Box 10 x 50 pcs



Sealed Zip bag of 50 pcs
With dot sterilization indicator



WARNING: Do not use vials for storage in the liquid phase of liquid Nitrogen: this use may cause entrapment of liquified nitrogen inside the vial and lead to pressure build-up, resulting in possible explosion or biohazard release.

CryoGen® Tubes with Maria Stella external cap



External Cap

Innovative **bi-injection** system. Plastic and Silicon parts are melted in a single body.

- **No leaking** • **No contamination** • **Excellent screwing grip**

Printing a clear and defined printing excellent clarity of tube makes sample easy to see
BarCode

- ✓ Provided with a serial/consecutive Bar-code 128 printed on each tube.
- ✓ Readable with the most common barcode readers
- ✓ Double decoding readable on both sides

Bottom with locking system interlocks to workstation

Box of 500

REF	CL1ARBEPSTS	CL2ARBEPSTS	CL2AREPSTS	CL3ARBEPSTS	CL4ARBEPSTS	CL5ARBEPSTS
Qty	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)

Bulk

REF	CL1ARBEPSTS/B	CL2ARBEPSTS/B	CL2AREPSTS/B	CL3ARBEPSTS/B	CL4ARBEPSTS/B	CL5ARBEPSTS/B
Qty	4500 pcs (bags/50)	4000 pcs (bags/50)	4000 pcs (bags/50)	2500 pcs (bags/50)	2500 pcs (bags/50)	2000 pcs (bags/50)
Volume	1,2 ml	2,0 ml	2,0 ml	3,0 ml	4,0 ml	5,0 ml
Height cm	4,02	4,56	4,45	6,92	7,36	8,76
Ø cm	1,26	1,26	1,26	1,26	1,26	1,26
Base	self standing	self standing	round	self standing	self standing	self standing



Cap-Disk Stella Cap Disks for MARIO STELLA and MARIA STELLA screw caps.



Ref.	CRY910TS/AZ	CRY910TS/BI	CRY910TS/G	CRY910TS/VI	CRY910TS/RO	CRY910TS/V
Color	Light blue	White	Yellow	Violet	Red	Green
Unit/Box	1 bag of 1.000 units					

CryoGen® Tubes with Mario Stella internal cap



Internal Cap

Innovative **bi-injection** system. Plastic and Silicon parts are melted in a single body.

- **No leaking** • **No contamination** • **Excellent screwing grip**

Printing a clear and defined printing
excellent clarity of tube makes sample easy to see

BarCode

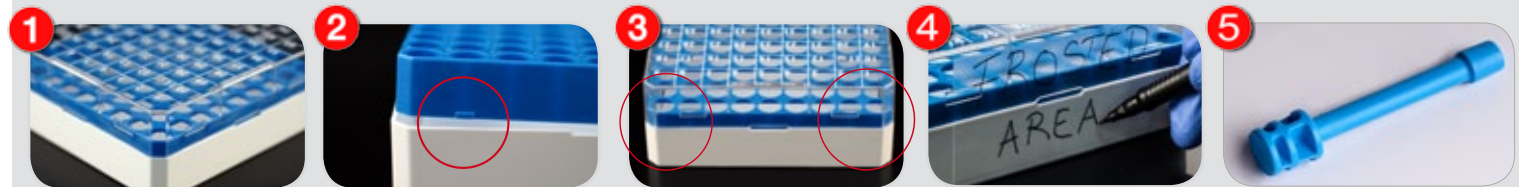
- ✓ Provided with a serial/consecutive Bar-code 128 printed on each tube.
- ✓ Readable with the most common barcode readers
- ✓ Double decoding readable on both sides

Bottom with locking system interlocks to workstation

Box of 500							
REF	CL1ARBIPSTS	CL2ARBIPSTS	CL2ARIPSTS	CL4ARBIPSTS	CL4ARIPSTS	CL5ARBIPSTS	CL5ARIPSTS
Qty	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)	500 pcs (bags/50)
Bulk							
REF	CL1ARBIPSTS/B	CL2ARBIPSTS/B	CL2ARIPSTS/B	CL4ARBIPSTS/B	CL4ARIPSTS/B	CL5ARBIPSTS/B	CL5ARIPSTS/B
Bulk qty	4500 pcs (bags/50)	4000 pcs (bags/50)	4000 pcs (bags/50)	2500 pcs (bags/50)	2500 pcs (bags/50)	2000 pcs (bags/50)	2000 pcs (bags/50)
Inner pack.	Bags 50 pcs	Bags 50 pcs	Bags 50 pcs	Bags 50 pcs	Bags 50 pcs	Bags 50 pcs	Bags 50 pcs
Volume	1,2 ml	2,0 ml	2,0 ml	4,0 ml	4,0 ml	5,0 ml	5,0 ml
Height cm	4,27	4,82	4,70	7,62	7,50	9,03	8,92
Ø cm	1,26	1,26	1,26	1,26	1,26	1,26	1,26
Base	self standing	self standing	round	self standing	round	self standing	round



CryoGen® Box in polycarbonate



Features:

- ✓ 1: Colored grid that can be jointed with the bottom.
- ✓ 2: Jointing of grid with locking system.
- ✓ 3: Interlocking of lid and base guided by inclined 45° angles.
- ✓ 4: New Frosted area on both lid and bottom for an easy writing.
- ✓ 5: New Vial Picker: Removal of vials facilitated by a vial picker. Suitable for all caps MARIO and MARIA. Supplied with each pack of 5 storage boxes.

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

CryoGen® Box 25 pad printed grid lid

for 1 - 2 ml tubes, external and internal cap

Ref.	Grid Color	Dimension. mm	Units/ box
BSM58025B/AZ	light blue	76x76x52	6 packs of 8 units
BSM58025B/RO	red	76x76x52	6 packs of 8 units
BSM58025B/V	green	76x76x52	6 packs of 8 units
BSM58025B/G	yellow	76x76x52	6 packs of 8 units

CryoGen® Box 81 LOW pad printed grid lid

for 3 - 4 - 5 ml tubes external cap, and 5 ml internal cap

Ref.	Grid Color	Dimension. mm	Units/ box
BSM58061B/AZ	light blue	132x132x52	8 packs of 5 units
BSM58061B/RO	red	132x132x52	8 packs of 5 units
BSM58061B/V	green	132x132x52	8 packs of 5 units
BSM58061B/G	yellow	132x132x52	8 packs of 5 units

CryoGen® Box 100 pad printed grid lid

for 1 - 2 ml tubes, internal cap

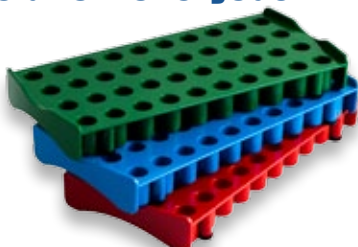
Ref.	Bottom Color	Dimension. mm	Units/ box
BSM58100/B	white	132x132x52	8 packs of 5 units

CryoGen® Box 81 HIGH pad printed grid lid

for 3 - 4 - 5 ml tubes external cap, and 5 ml internal cap

Ref.	Grid Color	Dimension. mm	Units/ box
BSM58071B/AZ	light blue	132x132x94	8 packs of 4 units
BSM58071B/RO	red	132x132x94	8 packs of 4 units
BSM58071B/V	green	132x132x94	8 packs of 4 units
BSM58071B/G	yellow	132x132x94	8 packs of 4 units

Workstation for CryoGen® Tubes



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.

	Ref.	Color	Dimension cm	Units/ box
●	BSM5810/AZ	Blue	L 21,5 P 10,0 H 2,50	5
●	BSM5810/RO	Red	L 21,5 P 10,0 H 2,50	5
●	BSM5810/V	Green	L 21,5 P 10,0 H 2,50	5

CryoGen Tubes 2D Clearline

Datamatrix Code

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

BarCode

- ✓ Provided with a serial/consecutive Bar-code 128 printed on each tube.
- ✓ Readable with the most common barcode readers
- ✓ Double decoding readable by both sides

Screw cap for automatic decapper

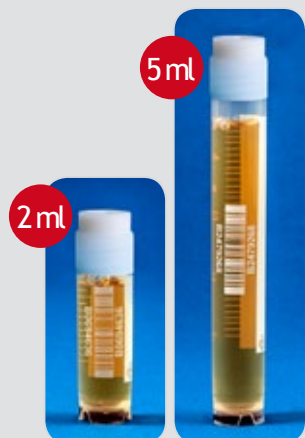
New special cap design is proper for automatic decapper

Locking Base

For CryoGenBox 2D Biosigma and for workstation. 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

MARIA Stella 2D

External thread cap tubes



Box of 500		
Ref.	CL2ARBEPS2D	CL5ARBEPS2D
Qty	500 pcs (bags/50)	500 pcs (bags/50)
Bulk		
Ref.	CL2ARBEPS2D/B	CL5ARBEPS2D/B
Qty	4000 pcs (bags/50)	2000 pcs (bags/50)
Volume	2,0 ml	5,0 ml
Height cm	4,56	8,76
Ø cm	1,26	1,26
Base	Self standing	Self standing

MARIO Stella 2D

Internal thread cap tubes



Box of 500		
Ref.	CL2ARBIPS2D	CL5ARBIPS2D
Case qty	500 pcs (bags/50)	500 pcs (bags/50)
Bulk		
Ref.	CL2ARBIPS2D/B	CL5ARBIPS2D/B
Bulk qty	4000 pcs (bags/50)	2000 pcs (bags/50)
Volume	2,0 ml	5,0 ml
Height cm	4,82	9,03
Ø cm	1,26	1,26
Base	Self standing	Self standing

2D Cryogenic storage box with barcode

Automatic identification of the box and of its positioning through:

- ✓ Laser engraved Code 128 on the rack side
- ✓ 2D datamatrix code, on the box bottom
- ✓ Vial Picker supplied with each pack of 5 boxes
- ✓ White bottom

'2D Datamatrix' code, on the box bottom



'Code 128' on the rack side



Scanner



Scan, track and maintain your samples
Datamatrix on the bottom of the tubes can be scanned and the information exported in different formats: Text, Images, Excel, XML. All the exported information can be integrated into systems such as: Oracle, SQL, MySQL, Postgres, HSQL and many others.

Software for sample management, biobanking and compound

Management and logistic tracking of samples

- ✓ 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



Ref.	Grid Colour	Description	Units/ box
BSM580612D/AZ	Light Blue	81 places for 2D, low	8 packs of 5 units
BSM580612D/G	Yellow	81 places for 2D, low	8 packs of 5 units
BSM580612D/RO	Red	81 places for 2D, low	8 packs of 5 units
BSM580612D/V	Green	81 places for 2D, low	8 packs of 5 units
BSM580712D/AZ	Light Blue	81 places for 2D, high	8 packs of 4 units
BSM580712D/G	Yellow	81 places for 2D, high	8 packs of 4 units
BSM580712D/RO	Red	81 places for 2D, high	8 packs of 4 units
BSM580712D/V	Green	81 places for 2D, high	8 packs of 4 units
BSM581002D/B		100 places for 2D, low	8 packs of 5 units
BSM581052D/B		100 places for 2D, high	8 packs of 4 units