



**EVERYTHING YOU NEED  
FOR *CRYOGENICS***

# innovation in cr

## Primo® Ice Vials Silicone o-ring seal

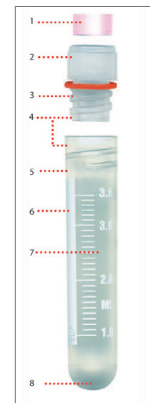
Made of special polypropylene.

Designed for safe storage at temperatures as low as  $-196^{\circ}\text{C}$  **but should be used only in the gas phase of liquid nitrogen**. Only  $1\frac{1}{4}$  turn of the cap is sufficient to screw the cap on the vial. The specially formulated silicone o-ring ensures a positive leak proof seal at all temperatures. Closure and vial are both made of polypropylene having the same coefficient of expansion, ensuring an equally secure seal both at room temperature and at low cryogenic temperatures.

Tubes have a white marking area, can be colour coded with a Primo® Colour Coders (Series ECC33000) and are compatible with most storage systems. Only the non skirted vial can be centrifuged, and up to 14,000g. Sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100.

### Certified DNase-free, RNase-free, Pyrogen-free and DNA-free

- Primo® Colour coders is available in 11 different colours, (Series ECC33000)
- Vertical ribs make cap easy to remove
- Super fast  $1\frac{1}{4}$  turn thread design
- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperature.
- Thick wall makes vial almost unbreakable
- Large white marking area
- Excellent clarity makes samples easy to see
- Round bottom, very easy to empty contents completely
- One size is self-standing with universal locking base



1. Primo® Coders are available in 11 different colours
2. Vertical ribs facilitate cap remove
3.  $1\frac{1}{4}$  turn thread design
4. Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures
5. Thick wall makes vial almost unbreakable
6. Large white marking area
7. Excellent clarity makes sample easy to see
8. Round bottom: very easy to empty contents completely

1. Positive leakproof seal is enhanced by a specially designed silicon o-ring round the cap
2. As you tighten it, you can feel the quality of your seal



## Primo® Ice Vial long lip

Made of special polypropylene.

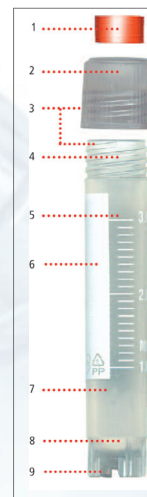
Designed for the storage of biological material, human or animal cells, at temperatures as low as  $-196^{\circ}\text{C}$  **but should be used only in the gas phase of liquid nitrogen**.

The cap features a long skirt for easy one-handed aseptic technique, a super fast thread design allowing removal with only  $1\frac{1}{4}$  turn and an inside thread design that will not contribute to possible contamination. A special lip inside the cap ensures a leakproof seal even at very low temperatures.

The tubes are provided with a white marking area for sample identification and can be colour coded by the use of Primo Colour Coders (Series ECC33000), ECC3212RB can be centrifuged and up to 17,000g. Vials are sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100.

### Certified DNase-free, RNase-free, Pyrogen-free and DNA-free

- Primo® Colour coders is available in 11 different colours, (Series ECC33000)
- Vertical ribs make cap easy to remove
- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperature.
- Super fast  $1\frac{1}{4}$  turn thread design
- Thick wall makes vial almost unbreakable
- Large white marking area
- Excellent clarity makes samples easy to see
- Round bottom, very easy to empty contents completely
- 2 size available as self-standing with universal locking base



1. Primo® Coders are available in 11 different colours
2. Vertical ribs facilitate cap remove
3. Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures
4.  $1\frac{1}{4}$  turn thread design
5. Thick wall makes vial almost unbreakable
6. Large white marking area
7. Excellent clarity makes sample easy to see
8. Round bottom: very easy to empty contents completely
9. 3 different sizes available for self-standing with universal locking base



# yopreservation

## Primo® Colour Coders

Color coded inserts fit precisely into the cap of the Primo® Ice Vials for colour identification.

*Made of polypropylene.*

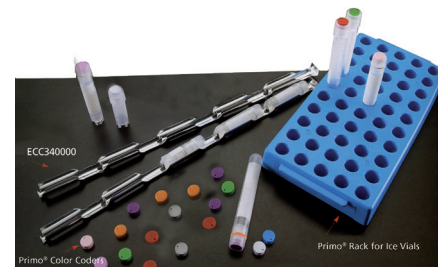
## Primo® Cane

*Made of aluminium*

For storage of up to five 1,2 or 2 ml Primo® ice vials in liquid nitrogen containers.

## Primo® Rack for Ice Vials

This handy autoclavable rack can hold up to 50 cryogenic vials. Now with one hand, you can easily unscrew a Primo® Ice vial closure. Thanks to an innovative universal locking system, the vials will securely lock in each well and will not turn. Each position is identified with an alphanumeric index. Strong handles make it easy and safe to carry. It is supported by five anti-skid rubber feet. The rack is compact and stackable. Available in three attractive colors.



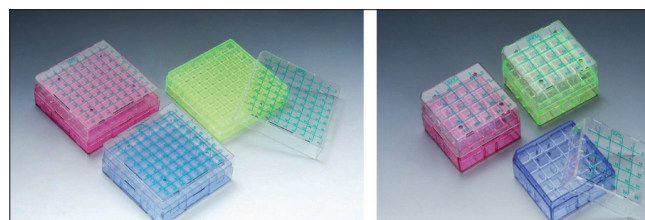
## SPL Cryo Box

These boxes, made of strong polycarbonate, are useful for the storage of vials in ultra low temperature environments without distortion of storage boxes.

SPL Cryo Box withstand a temperature range of -196°C to 121°C, making it suitable for liquid nitrogen storage as well as autoclavable.

*Made of polycarbonate.*

Fits 1.5 ml tubes and cryogenic vials  
Enhanced draw off of liquid nitrogen.  
Available in 3 different colours: Yellow, Blue and Red.  
Temperature range : from -196 to +121 C°.



## SPL Storage Box

These boxes, made of clear polypropylene, are useful for the storage of 1,5 ml microcentrifuge tubes. Available in 2 models to accommodate either 81 or 100 microtubes.

*Made of polypropylene.*

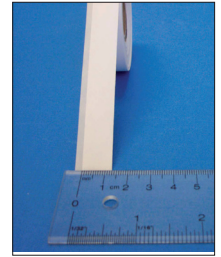
Fits 1.5 ml tubes.  
Available in 5 different colours: Blue, Pink, Orange, Green and Violet.  
Temperature range : from -70 to +140 C°.



# innovation in cr

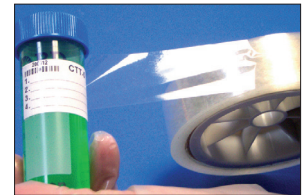
## Primo® Tape

- White tape for cryogenic use.
- Temperature range : from  $-196^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .
- Resistant to multiple freeze-thaw cycles, liquid nitrogen and dry ice.
- Resistant to boiling water, autoclaving and gamma irradiation.
- Labels have strong and permanent adhesion.



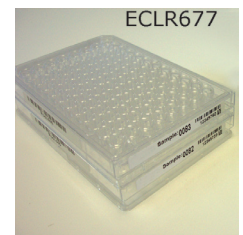
## Primo® Laminate Tape

- Ultra thin and transparent laminate provides excellent protection against most chemicals and reagents.
- Temperature range : from  $-196^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .
- Resistant to multiple freeze-thaw cycles, liquid nitrogen and dry ice.
- Resistant to boiling water and autoclaving.
- Labels have strong and permanent adhesion.



## Primo® Omni-Labels (Primo® Universal Labels)

- Cryogenic plastic labels for long term storage in liquid nitrogen, deep freezing and harsh environments for biomedical research and clinical laboratories
- Temperature range : from  $-196^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$
- Cryo-labels accept desktop laser printing (black & white) and permanent markers
- Water resistant
- Autoclavable
- Wear and tear proof
- Resistant to UV and Gamma irradiation
- Cryo labels can be applied to already frozen tubes



## Primo® Dual Marker

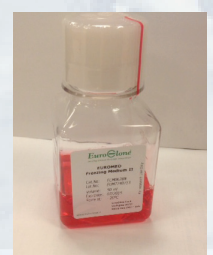
- Excellent performance on plastic, glass, metal, cloth and other surfaces.
- Extra-fine and fine pen.
- Dual point permanent ink cryogenic marker.
- Durable and easy to handle.
- Low odour, permanent and waterproof.



## Serum containing cryopreservation medium for general use

### EUROMED Freezing II Medium

This medium is a classical serum containing cryoprotective medium which provides a simple and effective means of cryoprotecting cells. EUROMED Freezing medium contains DMSO which avoids destructive ice formation during freezing procedure and FBS which is extensively tested to protect cells during cell preservation. Storage of cultured cells in this medium minimizes the damage acquired during freezing and storage process moreover it increases the recovery rate of cryopreserved cells.



# ypreservation

## Thermo Scientific™ cryopreservation media

**Thermo**  
SCIENTIFIC

Thermo Fisher Scientific delivers worldwide market-leading cryopreservation solutions. From sample collection, storage and tracking, our portfolio offers best-in-class results for long-term storage of your samples.

NOW, with Thermo Scientific™ HyCryo™ and HyCryo-STEM™ cryopreservation media you can store your samples with even more confidence, knowing that our proven media design advances the recovery, viability and post-thaw growth of your precious cells.

## Animal origin free cryopreservation medium for general use

HyCryo medium is a serum-free, animal origin-free product intended for cryogenic and preservation storage for your standard cell lines. HyCryo gives the recovery that you want from your cells with the peace of mind from knowing that your precious cells are faithfully preserved for your future research. Using HyCryo media yields increased recovery of viable cells versus results from other cryopreservation media alternatives.

Superior recovery for standard cell lines. Animal origin-free and serum-free

## Animal origin free medium for Stem Cell cryopreservation

HyCryo-STEM provides impressive cell recovery and post-thaw growth of pluripotent stem cells (ESC and iPSC) and neural progenitor cells such as mouse cortical stem cells (MCSCs) and rat cortical stem cells (RCSCs).

The serum-free formulation maintains differentiation potential and minimizes spontaneous differentiation of stem cells



# Ordering in

## PRIMO® Ice Vials Silicone o-ring seal

Cat.n°	Vol (ml)	size (mm)	Selfstanding	Round bottom	Qty/bag	Qty/Cs
ECC3112SS	2	12,5 x 49	Y		100	1000
ECC3112RB	2	12,5 x 48		Y	100	1000
ECC3115RB	5	12,5 x 90		Y	100	1000

## PRIMO® Ice Vials long lip

Cat.n°	Vol (ml)	size (mm)	Selfstanding	Round bottom	Qty/bag	Qty/Cs
ECC3212RB	2	12,5 x 48		Y	100	1000
ECC3212SS	2	12,5 x 49	Y		100	1000
ECC3215SS	5	12,5 x 91	Y		100	1000

## PRIMO® Colour Coders

Cat.n°	Colour	Qty/bag
ECC330001	White	500
ECC330006	Blue	500
ECC330007	Red	500
ECC330008	Green	500
ECC330009	Yellow	500
ECC330010	Assorted colour	5 bags of 100
ECC330011	Tan	500
ECC330012	Gray	500
ECC330002	Lilac	500
ECC330003	Burnt orange	500
ECC330004	Violet	500
ECC330005	Pink	500

## PRIMO® Cane

Cat.n°	Lenght	Qty/bag	Qty/Cs
ECC340000	290 Mm	12	48

## PRIMO® Rack for Ice Vials

Cat.n°	Colour	Qty/bag
ECC350001	Blue	4
ECC350002	Red	4
ECC350003	Liliac	4

## SPL Cryo Box

Cat.No.	Material	Array	Qty/Case
SP80025	PC	5 x 5 (25 holes)	20
SP80081	PC	9 x 9 (81 holes)	10

## SPL Storage Box

Cat.No.	Material	Array	Qty/Case	Description
SP80100	PP	10 x 10 (100 holes)	30	clear
SP81081	PP	9 x 9 (81 holes)	40	clear
SP81100	PP	10 x 10 (100 holes)	30	5 colours

## PRIMO® Tape

Cat.No.	Label size (mm)	Qty/Case
EAT1315	13 x 15	1
EAT1915	19 x 15	1

## PRIMO® Laminate Tape

Cat.No.	Label size (mm)	Qty/Case
EAM1960	19 x 60	1
EAM2560	25 x 60	1

# formation

## PRIMO® Omni Labels (PRIMO® Universal Labels)

Cat.No.	Label size (mm)	Color	Qty/Case	Permanent	Removable
ECL2419	24 x 19.5	White	1248	Y	
ECL2419A1	24 x 19.5	Assorted (12 col.)	936	Y	
ECL3213	32.5 x 12.7	White	1764	Y	
ECL3222	32 x 22	White	1152	Y	
ECL3614	36 x 14	White	1520	Y	
ECL4520	45 x 20	White	832	Y	
ECL6725	66.7 x 25.4	White	480	Y	
ECL10251	102 x 51	White	160	Y	
ECL10285	102 x 84.7	White	96	Y	
ECLH9	9 ø	White	5632	Y	
ECLH11	11 ø	White	3456	Y	
ECLR2413	23.9 x 12.7	White	2688		Y
ECLR2413A1	23.9 x 12.7	Assorted (12 col.)	1680		Y
ECLR3614	36 x 14	White	1520		Y
ECLR3614A1	36 x 14	Assorted (12 col.)	950		Y
ECLR6725	66.7 x 25.4	White	480		Y
ECLR677	67 x 7	White	1824		Y
ECLR7070	69.9 x 69.9	White	144		Y

## PRIMO® Dual Markers

Cat.No.	Description	Qty/Case
EMD1	Black	1
EMD2	Blue	1
EMD3	Red	1
EMD4	Green	1
EMD5	Purple	1
EMD6	Orange	1

## EUROMED Freezing II Medium

Cat.No.	Description	Volume
ECM0628N	Euromed freezing II	50 ml

## ThermoScientific HyClone HyCro & HyCro-STEM

Cat.No.	Description	Volume
CHBSR30001D	Hycryo, cryopreservation medium for general use	100ml
CHBSR30002D	Hycryo, cryopreservation medium for stem cells	100ml

**EuroClone S.p.A.**

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*EuroClone S.p.A. reserves the right to change product specifications without prior notice*