

## THE CRYOVIAL FAMILY

### Reaching the highest levels of quality

The Simport Cryovial® Family is the most complete line of cryogenic vials available today. Designed for storing cells, blood, serum and other biological fluids at temperatures as low as  $-196\text{ }^{\circ}\text{C}$ , these sturdy polypropylene vials offer a high level of chemical resistance.

As described in the following pages, they are available in 3 different configurations and in 5 sizes from 1.2 ml to 5 ml. A large white marking area and printed graduations facilitate sample identification. Some models are free-standing while some others have only a round bottom. Self-standing vials have a locking base allowing opening and closing with only one hand while vials are used with the Simport Workstation.

One important feature in the Simport Cryovial® design is being able to manufacture both the tube and cap from the same plastic, ensuring the same expansion coefficient, therefore a lasting seal.

Color coding is made easy simply by inserting a Capinsert™ in the cap. A choice of 11 colors is available.

Five models of Storage Boxes are available to accommodate 25, 81 or 100 Cryovial® tubes of all sizes. These boxes are made of polycarbonate for high mechanical strength and resistance to extreme temperature changes.

#### CRYOVIAL SPECIAL PACKAGING

Tamperproof tear off seal ensures sterile product integrity

Bag can be resealed as often as needed



**WARNING:** Do not use Cryovials for storage in the liquid phase of liquid nitrogen. Such use may cause entrapment of liquefied nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release. Use appropriate safety procedures when handling and disposing of vials.

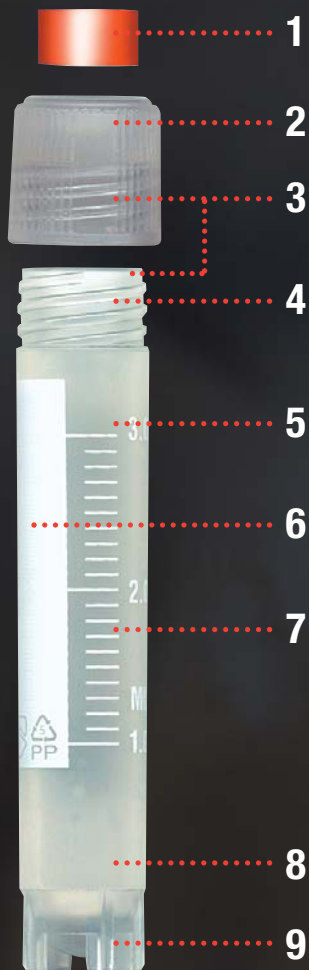
## T309 CRYOVIAL®

WITH LIP SEAL DESIGN

Made of specially formulated polypropylene

Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **but should be used only in the gas phase of liquid nitrogen**. The cap features a long skirt for one hand aseptic methods, and a super fast thread design that allows tightening or removal with a mere 1 ¼ turn, and an inside thread design that will not contribute to possible contamination. A specially designed lip inside the cap ensures a leakproof seal even at very low temperatures. Closures and tubes are both made of polypropylene having the same coefficient of expansion, which further enhances the leakproof qualities of these vials at various temperatures. Tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312). T309-2 can be centrifuged, and up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable

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



- 1- A CAPINSERT™ is available in 11 different colors. Perfect for color coding. (See T312 Series).
- 2- Vertical ribs make cap easy to remove.
- 3- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures.
- 4- Super fast 1 ¼ 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- Many sizes available as self-standing with universal locking base.



Specially designed polypropylene inner lip ensures a leakproof seal.

Certified RNase, DNase,  
Pyrogen and DNA-free



	T309-1A	T309-2	T309-2A	T309-3A	T309-4A	T309-5A
Volume (ml)	1.2	2	2	3	4	5
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing	•		•	•	•	•
Round Bottom		•				
Qty/Bag	100	100	100	100	100	100
Qty/Cs	1000	1000	1000	1000	1000	1000

# CRYOVIAL® FAMILY

## T301 CRYOVIAL® WITH SILICONE O-RING SEAL Specially formulated polypropylene

Designed for safe storage at temperatures as low as -196 °C **but should be used only in the gas phase of liquid nitrogen**. Only 1 ¼ turn of the cap is sufficient to screw the cap on the vial. The specially formulated silicone o-ring ensures a positive leakproof 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 color coded with a CAPINSERT (Series T312) and are compatible with most storage systems. Only the non skirted vial can be centrifuged, and up to 17,000g. Sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.  
Certified DNase-free, RNase-free, Pyrogen-free and DNA-free.



- 1- A CAPINSERT™ is available in 11 different colors. Perfect for color coding. (See T312 Series).
- 2- Vertical ribs make cap easy to remove.
- 3- Super fast 1 ¼ 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.
- 9- Round bottom. Very easy to empty contents completely. Two sizes are self-standing with universal locking base.



**Feel the quality of your seal!**

1. A positive leakproof seal is enhanced by a specially designed silicone o-ring around the cap.
2. As you tighten it, you can feel the quality of your seal while you compress the o-ring between the tube wall and the cap, creating a tight closure.

	T301-1	T301-2	T301-3	T301-5
Volume (ml)	1.2	2	2	5
Size (mm)	12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 90
Self-Standing	•	•		
Round Bottom			•	•
Qty/Bag	100	100	100	100
Qty/Cs	1000	1000	1000	1000



## T311

### CRYOVIAL®

#### WITH SILICONE WASHER SEAL

Specially formulated polypropylene

Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **but should be used only in the gas phase of liquid nitrogen**. A silicone washer between cap and vial ensures a positive leakproof seal at all temperatures. A 1 ¼ turn of the cap is sufficient to seal the vial. Closure and vials are both manufactured of polypropylene with 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 color coded with a CAPINSERT™ (Series T312) and are compatible with most storage systems. Only the round bottom vial can be centrifuged, and up to 17,000g. Sterilized by gamma radiation and packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.

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



- 1- A CAPINSERT™ is available in 11 different colors. Perfect for color coding. (See T312 Series).
- 2- Vertical ribs make cap easy to remove.
- 3- Silicone washer.
- 4- Super fast 1 ¼ turn thread design.
- 5- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures.
- 6- Thick wall makes vial almost unbreakable.
- 7- Large white marking area.
- 8- Excellent clarity makes sample easy to see.
- 9- Round bottom. Very easy to empty contents completely.



1. This cap offers a positive seal using a white silicone washer.

2. When the cap is screwed on, the white washer is tightly secured between cap and top of tube.

Certified RNase, DNase, Pyrogen and DNA-free



	T311-1	T311-2	T311-3	T311-4	T311-4A	T311-5
<b>Volume (ml)</b>	1.2	2	2	4	4	5
<b>Size (mm)</b>	12.5 x 41	12.5 x 49	12.5 x 48	12.5 x 70	12.5 x 72	12.5 x 90
<b>Self-Standing</b>	•	•			•	
<b>Round Bottom</b>			•	•		•
<b>Qty/Bag</b>	100	100	100	100	100	100
<b>Qty/Cs</b>	1000	1000	1000	1000	1000	1000

## T308

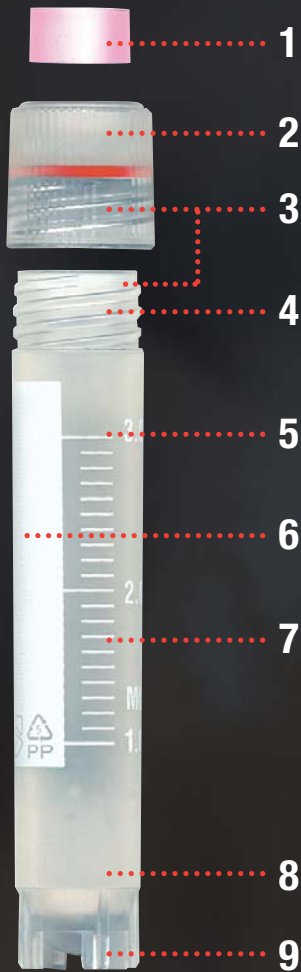
### CRYOVIAL®

WITH EXTRA LONG LIP SEAL DESIGN AND SILICONE WASHER SEAL

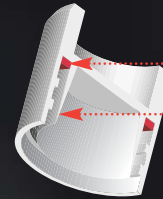
Made of specially formulated polypropylene

Designed for the storage of biological material, human or animal cells, at temperatures as low as  $-196\text{ }^{\circ}\text{C}$  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. This cap also features an exclusive silicone washer fitted inside the cap to ensure a positive seal at any temperature, even the lowest of cryogenic temperatures. The tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312 for choice of available colors). T308-2 can be centrifuged up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable safety-lock bags of 100.

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



- 1- A CAPINSERT™ is available in 11 different colors. Perfect for color coding. (See T312 Series).
- 2- Vertical ribs make cap easy to remove.
- 3- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures.
- 4- Super fast  $1\frac{1}{4}$  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- Many sizes available as self-standing with universal locking base.



Specially designed silicone washer and extra long lip ensure a leakproof seal.

Certified RNase, DNase,  
Pyrogen and DNA-free



	T308-1A	T308-2	T308-2A	T308-3A	T308-4A	T308-5A
Volume (ml)	1.2	2	2	3	4	5
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91
Self-Standing	•		•	•	•	•
Round Bottom		•				
Qty/Bag	100	100	100	100	100	100
Qty/Cs	1000	1000	1000	1000	1000	1000

# T310

## CRYOVIAL®

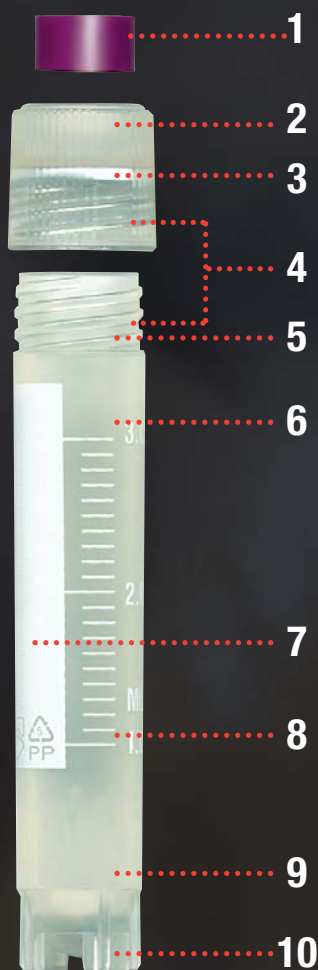
### WITH SILICONE WASHER SEAL

Made of specially formulated polypropylene

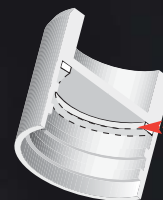
Designed for storing biological material, human or animal cells, at temperatures as low as -196 °C **but should be used only in the gas phase of liquid nitrogen**. The cap features a long skirt for easy one hand aseptic methods, the same super fast thread design allowing it to be removed or sealed with a mere 1 ¼ turn, and the same inside thread design that will not contribute to possible contamination. But this cap also features an exclusive silicone seal fitted inside the cap to ensure a positive seal at any temperature, even the lowest of cryogenic temperatures. Tubes are provided with a white marking area for sample identification and can be color coded by the use of a CAPINSERT™ (Series T312). The Simport CRYOVIAL® is compatible with most storage systems. T310-2 can be centrifuged up to 17,000g. Vials are sterilized by gamma radiation and are packaged in unique tamperproof, resealable, safety-lock bags of 100. Autoclavable.



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



- 1- A CAPINSERT™ is available in 11 different colors. Perfect for color coding. (See T312 Series).
- 2- Vertical ribs make cap easy to remove.
- 3- Silicone washer.
- 4- Both cap and tube are made of same polypropylene material, therefore same coefficient of expansion ensures secure seal at all temperatures.
- 5- Super fast 1 ¼ turn thread design.
- 6- Thick wall makes vial almost unbreakable.
- 7- Large white marking area.
- 8- Excellent clarity makes sample easy to see.
- 9- Round bottom. Very easy to empty contents completely.
- 10- Many sizes available as self-standing with universal locking base.



Specially designed silicone washer ensures a leakproof seal.

Certified RNase, DNase, Pyrogen and DNA-free

**A 10 ML SIZE IS AVAILABLE**



	T310-1A	T310-2	T310-2A	T310-3A	T310-4A	T310-5A	T310-10A
Volume (ml)	1.2	2	2	3	4	5	10
Size (mm)	12.5 x 42	12.5 x 47	12.5 x 49	12.5 x 71	12.5 x 77	12.5 x 91	17 x 84
Self-Standing	•		•	•	•	•	•
Round Bottom		•					
Qty/Bag	100	100	100	100	100	100	50
Qty/Cs	1000	1000	1000	1000	1000	1000	500



## CRYOVIAL FAMILY

## T314

## CRYOSTORE™ STORAGE BOXES

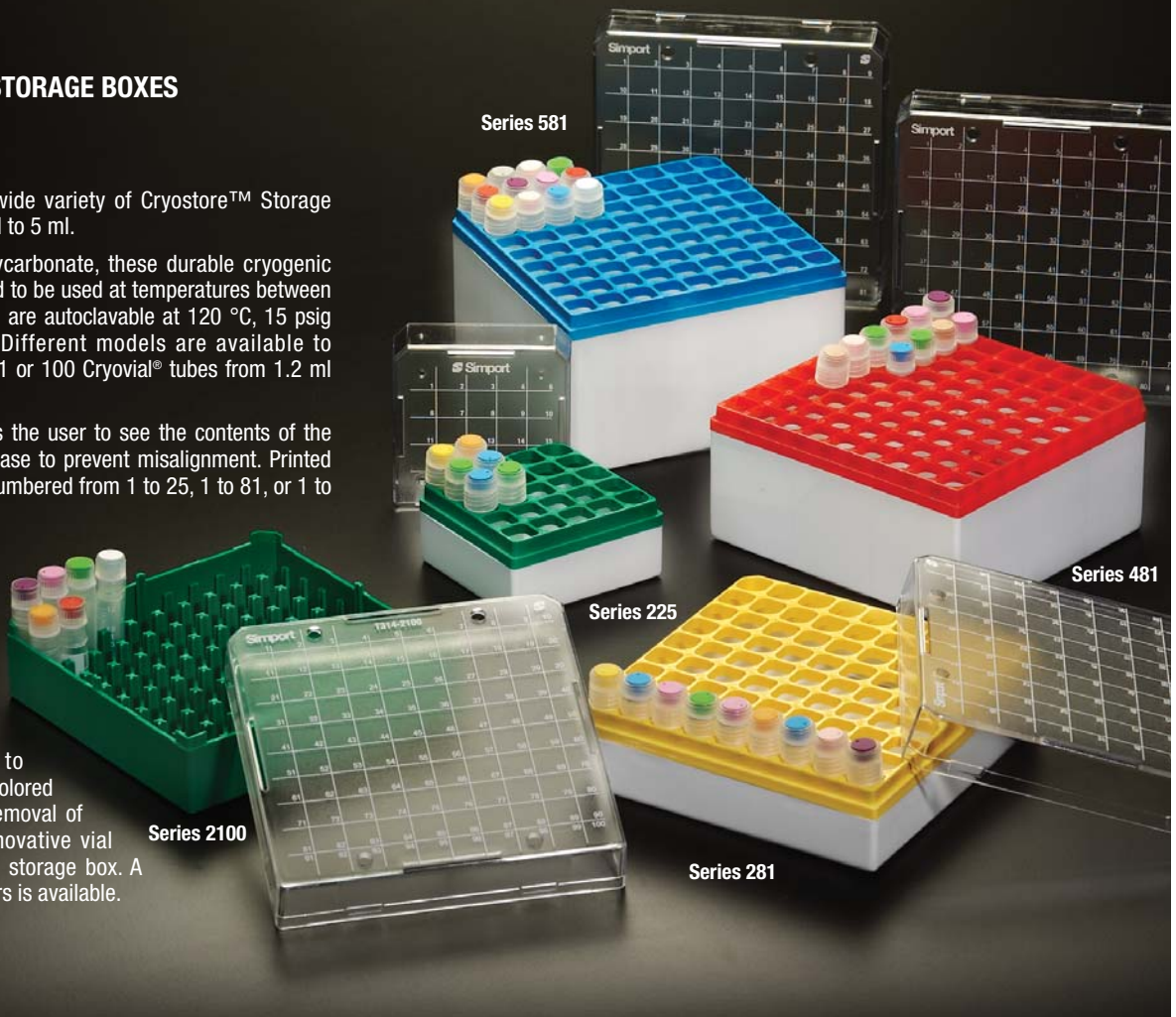
Made of polycarbonate

Color your world with a wide variety of Cryostore™ Storage Boxes for sizes from 1.2 ml to 5 ml.

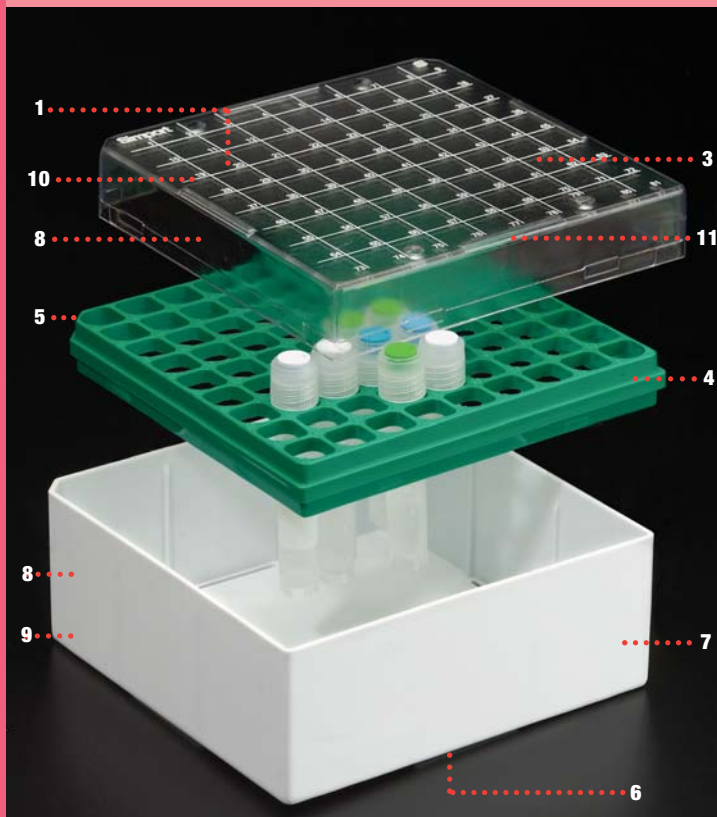
Made of extra strong polycarbonate, these durable cryogenic storage boxes are designed to be used at temperatures between -196 °C and +121 °C and are autoclavable at 120 °C, 15 psig (1 bar) for 20 minutes. Different models are available to accommodate either 25, 81 or 100 Cryovial® tubes from 1.2 ml to 5 ml.

A transparent cover allows the user to see the contents of the box, and is keyed to the base to prevent misalignment. Printed with a series of squares (numbered from 1 to 25, 1 to 81, or 1 to 100), the surface accepts writing with markers, facilitating inventory control.

A unique color coding system uses colored plastic grids to separate the cover from the base on the 25 and 81-place boxes. The ones made to accept 100 tubes have a colored base instead of a grid. Removal of vials facilitated by an innovative vial picker supplied with each storage box. A choice of four popular colors is available.



## FEATURES AND BENEFITS OF 25- and 81-PLACE CRYOSTORE™ STORAGE BOXES



- 1 Writing surface has numbered squares for easy sample identification
- 2 Stackable
- 3 Vials readily visible through transparent cover
- 4 Four colors available for better color-coding
- 5 Cover and base are keyed to prevent misalignment
- 6 Drain holes under base
- 7 Made to fit freezer metal racks
- 8 Writing surface for identifying base and/or cover
- 9 Autoclavable at 120 °C, 15 psig (1 bar) for 20 min.
- 10 Numeric identification of each vial
- 11 Air vents minimizing condensation

2 ALL CRYOSTORE™ STORAGE BOXES ARE EASILY STACKABLE



	T308-1	T308-2	T308-2A	T308-3A	T308-4A	T308-5A	T310-1A	T310-2	T310-2A	T310-3A	T310-4A	T310-5A	T309-1A	T309-2	T309-2A	T309-3A	T309-4A	T309-5A	T301-1	T301-2	T301-3	T301-5	T311-1	T311-2	T311-3	T311-4	T311-4A	T311-5
	1.2ml	2ml	2ml	3ml	4ml	5ml	1.2ml	2ml	2ml	3ml	4ml	5ml	1.2ml	2ml	2ml	3ml	4ml	5ml	1.2ml	2ml	2ml	5ml	1.2ml	2ml	2ml	4ml	4ml	5ml
T314-281	•	•	•				•	•	•				•	•	•				•	•	•		•	•	•			
T314-481				•	•					•	•					•	•									•	•	
T314-581				•	•	•				•	•	•				•	•	•				•						•
T314-2100														•	•	•				•	•	•		•	•	•		
T314-225	•	•	•				•	•	•				•	•	•				•	•	•		•	•	•			

**Series 281: Size: 133 mm x 133 mm x 52 mm H. (5 1/4 x 5 1/4 x 2 1/16 in. H.)**

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-281B	1 to 2 ml	Blue	4	24
T314-281G	1 to 2 ml	Green	4	24
T314-281R	1 to 2 ml	Red	4	24
T314-281Y	1 to 2 ml	Yellow	4	24

**Series 481: Size: 133 mm x 133 mm x 81 mm H. (5 1/4 x 5 1/4 x 3 1/8 in. H.)**

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-481B	3 to 4 ml	Blue	6	12
T314-481G	3 to 4 ml	Green	6	12
T314-481R	3 to 4 ml	Red	6	12
T314-481Y	3 to 4 ml	Yellow	6	12

**Series 581: Size: 133 mm x 133 mm x 95 mm H. (5 1/4 x 5 1/4 x 3 3/4 in. H.)**

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-581B	3 to 5 ml	Blue	5	10
T314-581G	3 to 5 ml	Green	5	10
T314-581R	3 to 5 ml	Red	5	10
T314-581Y	3 to 5 ml	Yellow	5	10

**Series 2100: Size: 133 mm x 133 mm x 52 mm H. (5 1/4 x 5 1/4 x 2 1/16 in. H.)**

Cat. No.	For cryogenic tubes	Color of base	Qty/Pk	Qty/Cs
T314-2100B	1 to 2 ml	Blue	4	24
T314-2100G	1 to 2 ml	Green	4	24
T314-2100R	1 to 2 ml	Red	4	24
T314-2100Y	1 to 2 ml	Yellow	4	24

**Series 225: Size: 76 mm x 76 mm x 52 mm H. (3 x 3 x 2 1/16 in. H.)**

Cat. No.	For cryogenic tubes	Color of grid	Qty/Pk	Qty/Cs
T314-225B	1 to 2 ml	Blue	8	48
T314-225G	1 to 2 ml	Green	8	48
T314-225R	1 to 2 ml	Red	8	48
T314-225Y	1 to 2 ml	Yellow	8	48

Cat. No.	Description	Qty/Pk
T314S	Metal stand	1



Removal of vials facilitated by an innovative vial picker supplied with each storage box.

T314S Metal Stand allows storage boxes to be kept at an angle for easier access to tubes.



# CRYOVIAL FAMILY

## T312

### CAPINSERT™ for CRYOVIAL® TUBES

Made of polypropylene

Color coded inserts fit precisely into the cap of the Cryovial® for color identification.

Cat. #	Color	Qty/Bag	Cat. #	Color	Qty/Bag
T312-1	White	500	T312-8	Tan	500
T312-2	Blue	500	T312-9	Gray	500
T312-3	Red	500	T312-10	Lilac	500
T312-4	Green	500	T312-11	Burnt orange	500
T312-5	Yellow	500	T312-13	Violet	500
T312-7	Assortment of colors above	5 bags of 100	T312-14	Pink	500

## T313

### CANE for CRYOVIAL® TUBES

Made of aluminum

For storage of up to five 1.2 or 2 ml **Simport** Cryovial® tubes in liquid nitrogen containers such as Dewar flasks.

Cat. #	Length	Qty/Pk	Qty/Cs
T313	290 mm (11 5/16 in.)	12	48

## T315

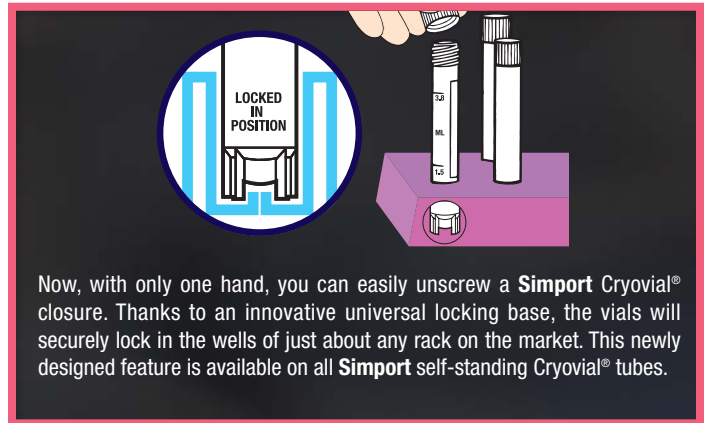
### CRYOVIAL® WORKSTATION RACK

Made of polypropylene

This handy autoclavable rack can hold up to 50 cryogenic vials. Now with one hand, you can easily unscrew a **Simport** Cryovial® 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.

Size: 10 cm x 20 cm x 25 mm H. (4 x 8 x 1 in. H.)

Cat. #	Color	Qty/Cs
T315-2	Blue	4
T315-3	Red	4
T315-10	Lilac	4



Now, with only one hand, you can easily unscrew a **Simport** Cryovial® closure. Thanks to an innovative universal locking base, the vials will securely lock in the wells of just about any rack on the market. This newly designed feature is available on all **Simport** self-standing Cryovial® tubes.



T313  
CANE FOR CRYOVIAL®

T312  
CAPINSERT™

T315  
WORKSTATION RACK