

cryopAL

**CRYOGENIC EQUIPMENT**

# Transport biological samples

**VOYAGEUR DRY SHIPPERS  
(series 2 to Plus)**



# Cryopreservation vessels VOYAGEUR Range (series 2 to Plus)

Dry shipper containers for storage and transport of biological samples in straws and cryo-vials

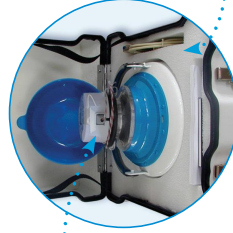
Class IIa Medical Device – Code GMDN 16534



- Samples shipped in dry phase: liquid nitrogen is trapped as micro-droplets in a porous material; samples are in nitrogen gaseous phase
- In compliance with international regulations for the transport of hazardous goods by road (ADR), air (IATA) and train (RID)
- Lightweight and resistant thanks to their aluminium design
- Different storage solutions (boxes and racks)
- 6-year vacuum warranty

## T° TRACKER C

- ▶ Optional: for a simple and efficient traceability of temperature



VOYAGEUR 5 with T° TRACKER



The VOYAGEUR range is **lockable** (except VOYAGEUR 2, lock not included)

Racks and canisters are class I medical devices.

# Cryopreservation vessels VOYAGEUR Range - Technical features

VOYAGEUR Range	VOYAGEUR 2	VOYAGEUR 5	VOYAGEUR 12	VOYAGEUR PLUS
Usable capacity	l	1.75	6.5	15
Capacity to absorb liquid nitrogen	l	1.4	4.5	10.2
Empty weight without inventory	kg	2.4	7.5	14.2
Full weight without inventory	kg	3.5	11.3	20.4
Neck diameter	mm	30	50	80
External diameter	mm	174	248	308
Total height (without T° TRACKER)	mm	395	550	576
Total height, compatible T° TRACKER (without T° TRACKER)	mm	-	560	610
Static holding time (1)	d	17	37	46
Daily theoretical evaporation rate (1)	l/d	0.08	0.12	0.22
<b>STORAGE CAPACITY &amp; TYPE OF CANSISTERS</b>				
Number of canisters		2	2	2
Diameter of canisters	mm	26	41	71
Height of canisters	mm	120	280	280
Number of stage(s) of canisters		1	2	2

I select the size of my container according to my storage requirement

VOYAGEUR Range	VOYAGEUR 2	VOYAGEUR 5	VOYAGEUR 12	VOYAGEUR PLUS
Straws	Standard goblets (in canisters)	220	800	3,280
	0.25 ml			9,840
	0.5 ml	100	376	1,460
Cryo-vials	CBS 0.3-0.5 ml	70	300	900
	0.25 ml	-	-	2,700
	0.5 ml	-	-	6,480
Cryo-vials	Daisy goblets 0.65 mm (in canisters)	-	-	2,160
	0.5 ml	-	-	960
	1.880	-	-	1,880
Cryo-vials	CBS 0.3-0.5 ml	-	-	672
	1.2-2 ml	-	84	240
	5 ml	-	42	120
Cryo-vials	On vial holder rod in canisters 2, stages	-	-	306
	1.2-2 ml (2)	-	-	500
	5 ml (3)	-	-	162
Cryo-vials	Boxes (in rack)	-	-	42
	5 ml	-	-	42
	25 ml	-	-	-
Cryo-vials	In rack: with casing (4)	-	-	-
	50 ml	-	-	-
	200-250 ml	-	-	-
Cryo-vials	Without casing	-	-	-
	500 ml	-	-	-
	700 ml	-	-	-
Cryo-vials		-	-	-
	750 ml	-	-	-
		-	-	-

(1) Assessment of static holding times are done in agreement with conditions described within ISO 20114, norm extrapolated to assessed volumes according to theoretical models. Daily evaporation and static holding time at 20°C, 1.013 mb, immobile container and sealed stopper. These values are nominal and can vary according to history of the container and manufacturing ranges.

(2) Boxes of 100 cryo-vials, 2 ml  
(3) Boxes of 61 cryo-vials, 5 ml  
(4) With Thermogenesis, Biosafe, PALL bags

Racks and canisters are class I medical devices.

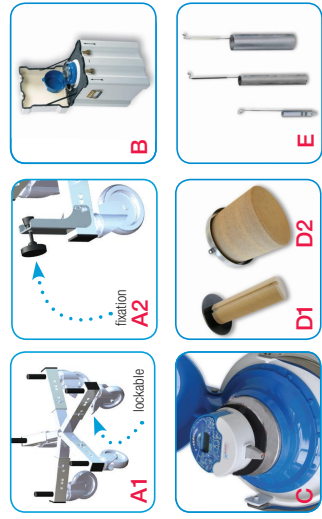
# Cryopreservation vessels VOYAGEUR Range - Inventories

# Cryopreservation vessels VOYAGEUR Range - Inventories



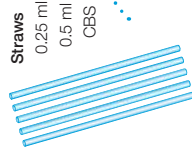
I add **my inventories** then complete with **accessories**

VOYAGEUR Range	VOYAGEUR 2	VOYAGEUR 5	VOYAGEUR 12	VOYAGEUR PLUS
<b>PRODUCTS REFERENCES</b>				
VOYAGEUR without canister				VOYAGEUR2-2
VOYAGEUR incl. 2 canisters	VOYAGER2-1	VOYAGER5-2	VOYAGER12-2	
VOYAGEUR incl. 2 canisters compatible T° TRACKER		VOYAGER5-2-TT	VOYAGER12-2-TT	
<b>REFERENCES OF INVENTORIES AND ACCESSORIES</b>				
<b>A1</b> : Lockable roller base (height: 230 mm)				ACC-ALU-29
<b>A2</b> : Fraction kit for roller base (option)				ACC-ALU-32
<b>B</b> : Protective over-packaging	ACC-V0F-100	ACC-V0F-101	ACC-V0F-102	ACC-V0F-103
Travel cover	ACC-V0F-105			
Blue cover		ACC-V0F-7	ACC-V0F-7	
<b>C</b> : T° TRACKER	TRACKER-1	TRACKER-1	TRACKER-1	TRACKER-1
<b>D1</b> : Lid for version stainless steel canister	ACC-V0F-4	ACC-V0F-4	ACC-V0F-5	ACC-V0F-6
<b>D2</b> : Lid for version plastic canister	ACC-ALU-18			
BATCH of 100 2ml round bottom vials with white lid	ACC-BOXTUBE-11	ACC-BOXTUBE-11	ACC-BOXTUBE-11	ACC-BOXTUBE-11
BATCH of 100 5ml round bottom vials with white lid	ACC-BOXTUBE-16	ACC-BOXTUBE-16	ACC-BOXTUBE-16	ACC-BOXTUBE-16
BATCH of 10 metallic vial holder rods for 5 vials (2ml) or 3 vials (5ml)	ACC-BOXTUBE-411	ACC-BOXTUBE-411	ACC-BOXTUBE-411	ACC-BOXTUBE-411
BATCH of 20 standard goblets Ø 35 mm	ACC-BOXTUBE-300			
BATCH of 5 "easy" goblets Ø 65 mm with lid		ACC-BOXTUBE-301		ACC-BOXTUBE-301
BATCH of 5 "easy" goblets Ø 65 mm with lid		ACC-BOXTUBE-302		ACC-BOXTUBE-302
BATCH of 10 goblets with holes Ø 65 mm with lid		ACC-BOXTUBE-415		ACC-BOXTUBE-415
BATCH of 10 goblets with holes Ø 65 mm (capacity: 100 vials 1.2/2 ml)				ACC-BOXTUBE-104
BATCH of 4 boxes 133x133x65mm (capacity: 81 vials 5 ml)				ACC-BOXTUBE-107
Litter for 2-stages canister	ACC-BOXTUBE-406	ACC-BOXTUBE-406	ACC-BOXTUBE-406	ACC-BOXTUBE-406
<b>E</b> : Centrifug canisters	ACC-PLASSAN-7	ACC-PLASSAN-10	ACC-PLASSAN-11	
Eccentric canisters	ACC-PLASSAN-6	ACC-PLASSAN-9	ACC-PLASSAN-8	
<b>F</b> : Rack 5 Stages for boxes (75x75x51mm) of 25 vials 2 ml				ACC-RACK-7
<b>G</b> : Rack 5 Stages for boxes (133x133x51mm) of 100 vials 2 ml				ACC-RACK-4
Rack 2 Stages for boxes (133x133x51mm) of 81 vials 5 ml				ACC-RACK-2
<b>H</b> : Rack 3 Stages for bags 25 ml				ACC-RACK-316

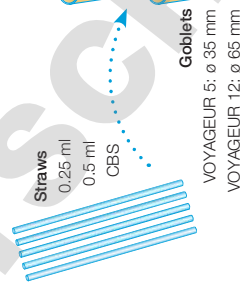


Racks and canisters are class I medical devices.

## Inventories VOYAGEUR 2



## Inventories VOYAGEUR 5 and 12



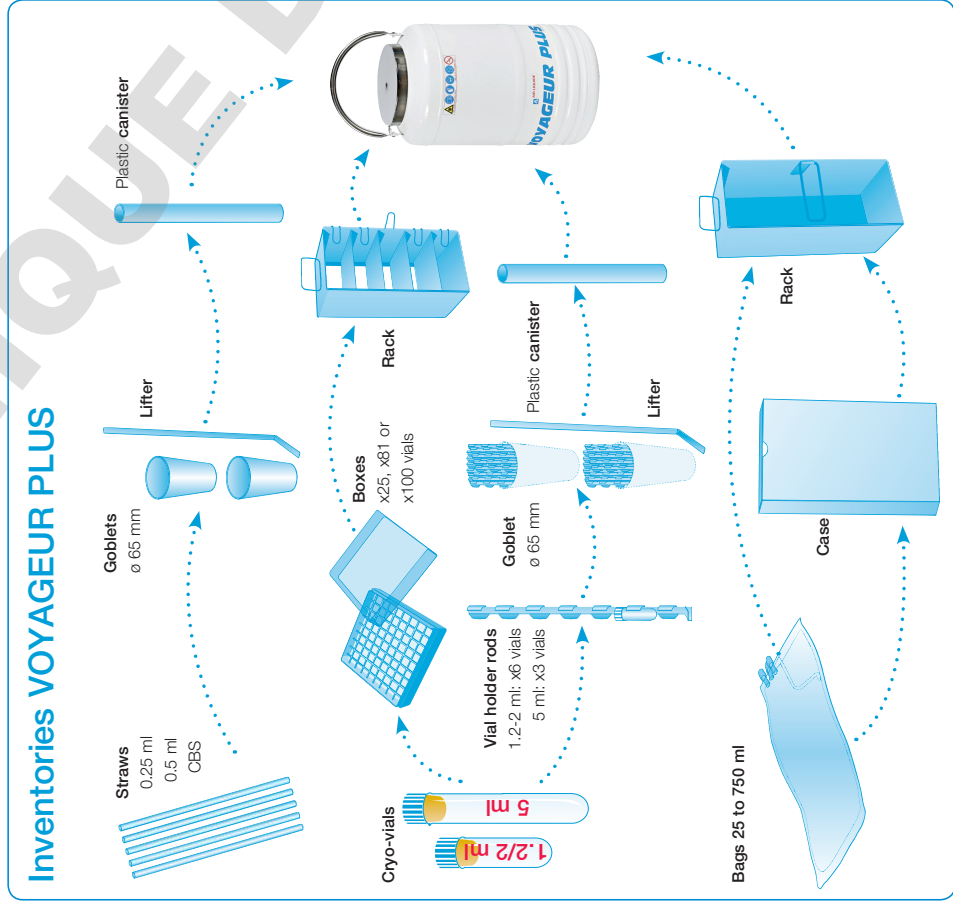
Racks and canisters are class I medical devices.

# Cryopreservation vessels VOYAGEUR Range - Inventories

## Regulatory Information



CRYO EQUIPMENT



### 1) Medical Devices :

Products identified within the catalogue as medical devices - except for straws, cryo-vials, bags and goblets for which Cryopal is not the manufacturer - are regulated health products manufactured by Cryopal with CE marking in the context of directive 93/42/CEE.

Notified body: LNE - **CE** 0459

Classification: depending on the product.



Manufacturer

**CRYOPAL (Groupe Air Liquide)**  
Parc Gustave Eiffel  
8, avenue Gutenberg  
77607 Marne-la-Vallée  
France



For proper use of equipment we suggest you refer to the instructions in the users manuals.

Carefully read operating instructions before use.

Instructions for use are available on Cryopal website (<http://www.cryopal.com>) - instructions for use provided in paper format within 7 calendar days.

### 2) Equipment vigilance :

With ISO 13485 certification (version 2012), Cryopal has implemented a specific organisation for the monitoring of incidents related to the use of Medical Devices and their traceability.

In the context of the enforcement of the Public Health Code for Medical Devices and equipment vigilance (Article R 5212-1, article R 5212-16), the manufacturer, the user or any third party are obliged to inform the supervisory authority of any incident or risk of incident implicating the Medical Device.

Racks and canisters are class I medical devices.

VOYAGEUR SAS

**cryopAL**

Since more than 50 years, Cryopal has been manufacturing a full range of cryopreservation vessels and super insulated vacuum lines in France dedicated to biospecimens storage and transport.

As one of the leaders in cryopreservation, Cryopal provides fully compliant and reliable solutions for your fragile and valuable applications.

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