

Cryopreservation vessels

ARPEGE Range - Technical features

GAS PHASE

Samples are stored in the vapours of nitrogen : no contact between samples and liquid nitrogen.



LIQUID PHASE

Samples are stored and immersed according to level in liquid nitrogen.

Individual box locking system

Enables users to only select the box of their choice for safer use.



ARPEGE Range		40	70	110	140	170	55	75
LIQUID OR GAZ PHASE								
FEATURES		Narrow neck					Wide neck	
Usable capacity - liquid version	l	43.4	73.5	117	146	174	54.3	72.4
Usable capacity - gas version	l	-	14.2	14.3	21.9	20.5	-	-
Empty weight without inventory	kg	25	33	40	40	56	31	37
Full weight without inventory - liquid version	kg	57	91	134	156	195	75	95
Full weight without inventory - gas version	kg	-	59	69	84	90	-	-
Height without CRYOMEMO	mm	735	738	962	911	1,028	850	1,015
Height with CRYOMEMO	mm	970	921	1,145	1,094	1,211	1,035	1,200
Width	mm	468	586	586	683	683	468	468
Depth	mm	551	673	672.5	769.5	769.5	546	546
Diameter	mm	467	586	586	683	683	468	468
Neck diameter	mm	120	215	215	215	215	378	378
Static holding time ⁽¹⁾ liquid version	d	144	105	156	194	217	23	30
Static holding time ⁽¹⁾ gas version	d	-	20	19	29	25	-	-
Daily theoretical evaporation rate ⁽¹⁾	l/d	0.3	0.7	0.75	0.75	0.8	2.29	2.38
Display of level ⁽²⁾	%	✓	✓	✓	✓	✓	✓	✓
Display of temperature ⁽²⁾	°C/°F	✓	✓	✓	✓	✓	✓	✓

LN2 Connector (with automatic filling, ARPEGE 40 excluded)

Threading: 3/4 -16 UNF 2A-RH

(1) Assessment of static holding times are done in agreement with conditions described within ISO 21014 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) CRYOMEMO as an option, available on the whole range

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ARPEGE Range - Containers and options

CRYO EQUIPMENT

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

ARPEGE Range			40	70	110	140	170	55	75
LIQUID OR GAZ PHASE									
Straws	Standard goblets (in canisters) ⁽¹⁾	0.25 ml	-	-/-	-/-	-/-	-/-	51,660	68,880
		0.5 ml	-	-/-	-/-	-/-	-/-	22,995	30,660
		CBS 0.3-0.5 ml	-	-/-	-/-	-/-	-/-	14,175	18,900
	Daisy goblets (in canisters) ⁽²⁾	0.25 ml	-	-/-	-/-	-/-	-/-	34,020	45,360
		0.5 ml	-	-/-	-/-	-/-	-/-	15,120	20,160
		CBS 0.3-0.5 ml	-	-/-	-/-	-/-	-/-	10,584	14,112
	Visotubes Ø12 mm (in racks) ⁽³⁾	0.25 ml	-	14,960 / 7,480	22,440 / 14,960	33,660 / 22,440	44,880 / 33,660	-	-
		0.5 ml	-	5,440 / 2,720	8,160 / 5,440	12,240 / 8,160	16,320 / 12,240	-	-
		CBS 0.3-0.5 ml	-	4,760 / 2,380	7,140 / 4,760	10,710 / 7,140	14,280 / 10,710	-	-
Cryo-vials	Cryo-boxes (in racks)	2 ml ⁽⁴⁾	750 ⁽⁵⁾	2,000 / 1,600	3,600 / 3,200	4,800 / 4,200	6,000 / 5,400	3,618 ⁽⁶⁾	4,824 ⁽⁶⁾
		5 ml ⁽⁷⁾	-	972 / 648	1,620 / 1,296	1,944 / 1,458	2,430 / 1,944	-	-
	In canisters and vial holder rod ⁽⁸⁾	2 ml	-	-/-	-/-	-/-	-/-	2,142	4,284
		5 ml	-	-/-	-/-	-/-	-/-	1,071	2,142
Bags ⁽⁹⁾	25 ml	With casing ⁽¹⁰⁾	-	132 / 88	220 / 176	330 / 264	396 / 330	-	315 ⁽¹¹⁾ - 294 ⁽¹²⁾
	700 ml	DF700 without casing	-	-/-	-/-	-/-	-/-	24	48

Note : for a use with complete and continuous immersion of samples in liquid phase, contact us to select the proper size of container according to your storage requirement.

- (1) canister capacity + standard goblets Ø 65 mm
- (2) canister capacity + daisy goblets Ø 65 mm
- (3) rack capacity + visotubes Ø 12 mm (85 visotubes per stage)
- (4) cryo-boxes capacity for 100 vials
- (5) cryo-boxes capacity for 25 vials
- (6) "pie" type rack capacity without electronic device. With electronic device, loss of one rack.
- (7) cryo-boxes capacity for 81 vials
- (8) canister capacity + vial holder rod
- (9) possibility to store 200-/500-/700-ml bags inside ARPEGE 75
- (10) Thermogenesis, Biosafe and PALL bags
- (11) Thermogenesis and Biosafe bags
- (12) PALL bags

Several **options** available for my **container**

SIMPLE	INITIAL	ESSENTIAL	ESSENTIAL+
Container without electronic device	SIMPLE + CRYOMEMO electronic	INITIAL + Automatic filling option	ESSENTIAL + Degassing option
	<ul style="list-style-type: none"> • level indicator • temperature indicator • server option • outputs 4-20 mA and RS485 for reports 	Automatic filling kit	Degassing kit