

Cryopreservation vessels

ESPACE Range - Technical features

GAS PHASE

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



with casing

without casing



LIQUID PHASE

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

with casing

without casing

ESPACE Range		151 without RT*	331 with RT*	331 without RT*	661 with RT*		
LIQUID OR GAS PHASE							
FEATURES		with casing	with casing	without casing	without casing		
Usable capacity - liquid version	l	204	394	394	394	755	
Usable capacity - gas version	l	35	74	74	74	174	
Empty weight without inventory	kg	165	245	205	230	190	275
Full weight without inventory - liquid version	kg	326	546	505	545	505	890
Full weight without inventory - gas version	kg	192	286	245	285	245	435
Static holding time ⁽¹⁾ liquid version	d	42	47	47	47	47	73
Static holding time ⁽¹⁾ gas version	d	7	8	8	8	8	16
Daily theoretical evaporation rate ⁽¹⁾	l/d	4,8	8,3	8,3	8,3	8,3	10,3
Neck diameter	mm	538	740	740	777	777	1,003
Height for access	mm	1,205	1,172	1,172	1,172	1,172	1,355
External height	mm	1,465	1,432	1,432	1,432	1,432	1,615
Width	mm	650	932	886	932	886	1,150
External depth	mm	940	1,100	1,100	1,100	1,100	1,375

* RT = Rotating Tray

(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.

Cryopreservation vessels

ESPACE Range - Containers and options

CRYO EQUIPMENT


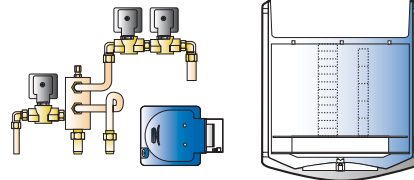
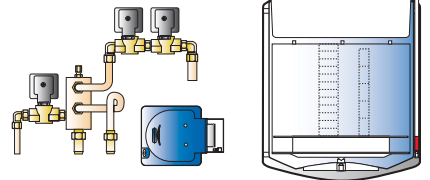
I select **the size of my container** according to **my storage requirement**

Phase		Sample capacity	151 without PT*	331 without PT*	331 with PT*	661 with PT*
Straws	Standard goblets Ø 65 mm (in canisters)	0.25 ml	188,600	397,700	360,800	668,300
		0.5 ml	83,950	177,025	160,600	297,475
		CBS 0,3 - 0.5 ml	51,750	109,125	99,000	183,375
	Daisy goblets Ø 65 mm (in canisters)	0.25 ml	124,200	261,900	237,600	440,100
		0.5 ml	55,200	116,400	105,600	195,600
		CBS 0,3 - 0.5 ml	38,640	81,480	73,920	136,920
	Visotubes Ø12 mm (in racks)	0.25 ml	52,360	127,160	112,200	231,880
		0.5 ml	19,040	46,240	40,800	84,320
		CBS 0,3 - 0.5 ml	16,660	40,460	35,700	73,780
Cryo-vials	Boxes of 100 cryo-vials **	2 ml	10,400	22,200	19,800	38,400
	Boxes of 81 cryo-vials	5 ml	3,969	8,262	7,290	15,066
Bags (with casing/without casing)	25 ml	Thermogenesis	960 / -	1,995 / -	1,820 / -	3,465 / -
		Biosafe	768 / -	1,596 / -	1,456 / -	2,772 / -
		PALL	735 / -	1,512 / -	1,344 / -	3,038 / -
	50 ml	Standard (without casing)	- / 432	- / 984	- / 840	- / 1,704
		Baxter	294 / 392	630 / 840	609 / 812	1,176 / 1,568
	200-250 ml	DF200 / Baxter / Macopharma	144 / 192	324 / 432	300 / 400	600 / 800
	500 ml	Baxter / Macopharma	140 / 168	320 / 384	320 / 384	560 / 672
		DF700	- / 120	- / 252	- / 240	- / 456
	700-750 ml	DF700 H / Macopharma	96 / 128	216 / 288	192 / 256	384 / 512
		Baxter 750 ml	- / 112	- / 208	- / 192	- / 368

Storage capacity does not vary between liquid version and gas version

* RT = Rotating Tray ** also compatible with boxes of 25 or 81 cryo-vials

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

ESSENTIAL	ESSENTIAL+	OPTIMAL
		
CRYOMEMO electronic + automatic filling + filling safety	ESSENTIAL + additional option (choice)	ESSENTIAL+ + full options
	Additional options (choice and according to model) : 1. Degassing kit or 2. Rotating tray	Full options : 1. Degassing kit and 2. Rotating tray

Cryopreservation vessels

ESPACE 151 Model



I select **the type of container** and **my options**

		ESSENTIAL		ESSENTIAL+	OPTIMAL
		CRYOMEMO electronic + Automatic filling + Filling safety	ESSENTIAL + Degassing kit	ESSENTIAL+ + Rotating tray	
With casing	Liquid	ESP151N-LC-4	ESP151N-LC-5	-	
	Gas	ESP151N-GC-3	ESP151N-GC-4	-	

I add **my inventories** for container **WITHOUT** a rotating tray

	Storage type	Description	Reference	
	Straws in visotubes*/racks	1 Rack 4 Stages (max 7 racks per container)	ACC-RACK-39	
		BATCH of 7 Racks	ACC-RACK-196	
	Straws in goblets/canister	1 plastic Canister 5 Stages (max 46 canisters per container)	ACC-PLASCAN-3	
		BATCH of 46 canisters and 230 goblets	ACC-PLASCAN-116	
	2 ml cryo-vials in rack	1 Rack 13 Stages for boxes of 81/100 vials (max 7 racks per container)	ACC-RACK-6	
		1 Rack 13 Stages for boxes of 25 vials (max 4 racks per container)	ACC-RACK-9	
		BATCH of 7+4 Racks **	ACC-RACK-146	
	5 ml cryo-vials in rack	1 Rack 7 Stages for boxes of 81 vials (max 7 racks per container)	ACC-RACK-29	
		BATCH of 7 Racks	ACC-RACK-147	
	25 ml bags PALL type	1 Rack 7 Stages (max 15 racks per container)	ACC-RACK-204	
		25 ml bags THERMOGENESIS type	1 Rack 8 Stages (max 24 racks per container)	ACC-RACK-195
		25 ml bags BIOSAFE type	1 Rack 8 Stages (max 24 racks per container)	ACC-RACK-195
	50 ml bags BAXTER type (R4R9951)	1 Rack 7 Stages (max 14 racks per container)	ACC-RACK-37	
		BATCH of 14 Racks	ACC-RACK-119	
	500 ml bags BAXTER type (R4R9955)	1 Rack 4 Stages (max 12 racks per container)	ACC-RACK-38	
		BATCH of 12 Racks	ACC-RACK-115	
	700 ml bags GAMBRO type (DF700)	1 Rack 4 Stages (max 7 racks per container)	ACC-RACK-34	
		BATCH of 7 Racks	ACC-RACK-121	
	750 ml bags BAXTER type (R4R9957)	1 Rack 4 Stages (max 7 racks per container)	ACC-RACK-35	
		BATCH of 7 Racks	ACC-RACK-122	
	700 ml bags GAMBRO type (DF700)	1 vertical Rack 2 Stages (max 10 racks per container)	ACC-RACK-32	
		BATCH of 10 vertical Racks	ACC-RACK-116	
		1 horizontal Rack 4 Stages (max 8 racks per container)	ACC-RACK-36	
		BATCH of 8 horizontal Racks	ACC-RACK-174	

Storage capacity does not vary between liquid version and gas version

* 85 visotubes per stage

** ESPACE 151 is fully equipped with: 7 racks for boxes of 81 vials + 4 racks for boxes of 25 vials

Racks, canisters and CRYOMEMO electronic system are class I medical devices.

Cryopreservation vessels

ESPACE 331 Model



CRYO EQUIPMENT

I select **the type of container** and **my options**

		ESSENTIAL		ESSENTIAL+	OPTIMAL
		CRYOMEMO electronic + Automatic filling + Filling safety	ESSENTIAL + option (choice) : Degassing kit OR Rotating tray		ESSENTIAL+ + Degassing kit + Rotating tray
With casing	Liquid	ESP331N-LC-7	ESP331N-LC-9 / ESP331N-LC-8		ESP331N-LC-10
	Gas	ESP331N-GC-5	ESP331N-GC-7 / ESP331N-GC-6		ESP331N-GC-8
Without casing	Liquid	ESP331N-LNC-7	ESP331N-LNC-9 / ESP331N-LNC-8		ESP331N-LNC-10
	Gas	ESP331N-GNC-5	ESP331N-GNC-7 / ESP331N-GNC-6		ESP331N-GNC-8

I add **my inventories** for container **WITHOUT** a rotating tray

	Storage type	Description	Reference
	Straws in visotubes*/racks	1 Rack 4 Stages (max 17 racks per container)	ACC-RACK-39
		BATCH of 17 Racks	ACC-RACK-197
	Straws in goblets/canister	1 plastic Canister 5 Stages (max 97 canisters per container)	ACC-PLASCAN-3
		BATCH of 97 canisters and 485 goblets	ACC-PLASCAN-105
	2 ml cryo-vials in rack	1 Rack 12 Stages for boxes of 81/100 vials (max 17 racks per container)	ACC-RACK-5
		1 Rack 12 Stages for boxes of 25 vials (max 6 racks per container)	ACC-RACK-8
	5 ml cryo-vials in rack	BATCH of 17+6 Racks **	ACC-RACK-148
		1 Rack 6 Stages for boxes of 81 vials (max 17 racks per container)	ACC-RACK-28
	25 ml bags PALL type	BATCH of 17 Racks	ACC-RACK-149
		1 Rack 6 Stages (max 36 racks per container)	ACC-RACK-203
	25 ml bags THERMOGENESIS type	1 Rack 7 Stages (max 57 racks per container)	ACC-RACK-202
		1 Rack 7 Stages (max 57 racks per container)	ACC-RACK-202
	50 ml bags BAXTER type (R4R9951)	1 Rack 7 Stages (max 30 racks per container)	ACC-RACK-37
		BATCH of 30 Racks	ACC-RACK-127
	200-250 ml bags BAXTER type (R4R9954)/ GAMBRO (DF200)	1 Rack 4 Stages (max 27 racks per container)	ACC-RACK-38
		BATCH of 27 Racks	ACC-RACK-123
	500 ml bags BAXTER type (R4R9955)	1 Rack 4 Stages (max 16 racks per container)	ACC-RACK-34
		BATCH of 16 Racks	ACC-RACK-129
	750 ml bags BAXTER type (R4R9957)	1 Rack 4 Stages (max 13 racks per container)	ACC-RACK-35
		BATCH of 13 Racks	ACC-RACK-130
	700 ml bags GAMBRO type (DF700)	1 vertical Rack 2 Stages (max 21 racks per container)	ACC-RACK-32
		BATCH of 21 vertical Racks	ACC-RACK-124
		1 horizontal Rack 4 Stages (max 18 racks per container)	ACC-RACK-36
		BATCH of 18 horizontal Racks	ACC-RACK-175

Storage capacity does not vary between liquid version and gas version

* 85 visotubes per stage

** ESPACE 331 without rotating tray is fully equipped with: 17 racks for boxes of 81 vials + 6 racks for boxes of 25 vials

Cryopreservation vessels

ESPACE 331 Model



I add **my inventories** for container **WITH a rotating tray**

	Storage type	Description	Reference
	Straws in visotubes*/racks	1 Rack 4 Stages (max 15 racks per container)	ACC-RACK-39
		BATCH of 15 Racks	ACC-RACK-198
	Straws in goblets/canister	1 plastic Canister 5 Stages (max 88 canisters per container)	ACC-PLASCAN-3
		BATCH of 88 canisters and 440 goblets	ACC-PLASCAN-104
	2 ml cryo-vials in rack	1 Rack 12 Stages for boxes of 81/100 vials (max 15 racks per container)	ACC-RACK-5
		1 Rack 12 Stages for boxes of 25 vials (max 6 racks per container)	ACC-RACK-8
		BATCH of 15+6 Racks **	ACC-RACK-150
	5 ml cryo-vials in rack	1 Rack 6 Stages for boxes of 81 vials (max 15 racks per container)	ACC-RACK-28
		BATCH of 15 Racks	ACC-RACK-151
	25 ml bags PALL type	1 Rack 6 Stages (max 32 racks per container)	ACC-RACK-203
	25 ml bags THERMOGENESIS type	1 Rack 7 Stages (max 52 racks per container)	ACC-RACK-202
	25 ml bags BIOSAFE type	1 Rack 7 Stages (max 52 racks per container)	ACC-RACK-202
	50 ml bags BAXTER type (R4R9951)	1 Rack 7 Stages (max 29 racks per container)	ACC-RACK-37
	BATCH of 29 Racks	ACC-RACK-135	
	200-250 ml bags BAXTER type (R4R9954)/ GAMBRO (DF200)	1 Rack 4 Stages (max 25 racks per container)	ACC-RACK-38
	BATCH of 25 Racks	ACC-RACK-131	
500 ml bags BAXTER type (R4R9955)	1 Rack 4 Stages (max 16 racks per container)	ACC-RACK-34	
BATCH of 16 Racks	ACC-RACK-129		
750 ml bags BAXTER type (R4R9957)	1 Rack 4 Stages (max 12 racks per container)	ACC-RACK-35	
BATCH of 12 Racks	ACC-RACK-137		
	700 ml bags GAMBRO type (DF700)	1 vertical Rack 2 Stages (max 20 racks per container)	ACC-RACK-32
		BATCH of 20 vertical Racks	ACC-RACK-132
		1 horizontal Rack 4 Stages (max 16 racks per container)	ACC-RACK-36
		BATCH of 16 horizontal Racks	ACC-RACK-176

Storage capacity does not vary between liquid version and gas version

* 85 visotubes per stage

** ESPACE 331 with rotating tray is fully equipped with: 15 racks for boxes of 81 vials + 6 racks for boxes of 25 vials



Cryopreservation vessels

ESPACE 661 Model














CRYO EQUIPMENT

I select **the type of container** and **my options**

		ESSENTIAL		ESSENTIAL+	OPTIMAL
		CRYOMEMO electronic + Automatic filling + Filling safety		ESSENTIAL + Rotating tray	ESSENTIAL+ + Degassing kit
Without casing	Liquid 	-	ESP661N-LNC-4	ESP661N-LNC-5	
	Gas 	-	ESP661N-GNC-3	ESP661N-GNC-4	

I add **my inventories** for container **WITH a rotating tray**

	Storage type	Description	Reference
	Straws in visotubes*/racks	1 Rack 4 Stages (max 31 racks per container)	ACC-RACK-39
		BATCH of 31 Racks	ACC-RACK-199
	Straws in goblets/canister	1 plastic Canister 5 Stages (max 163 canisters per container)	ACC-PLASCAN-3
		BATCH of 163 canisters and 815 goblets	ACC-PLASCAN-106
	2 ml cryo-vials in rack	1 Rack 12 Stages for boxes of 81/100 vials (max 31 racks per container)	ACC-RACK-5
		1 Rack 12 Stages for boxes of 25 vials (max 4 racks per container)	ACC-RACK-8
	5 ml cryo-vials in rack	BATCH of 31+4 Racks **	ACC-RACK-152
		1 Rack 6 Stages for boxes of 81 vials (max 31 racks per container)	ACC-RACK-28
	25 ml bags PALL type	BATCH of 31 Racks	ACC-RACK-153
		1 Rack 7 Stages (max 62 racks per container)	ACC-RACK-204
	25 ml bags THERMOGENESIS type	1 Rack 7 Stages (max 99 racks per container)	ACC-RACK-202
		25 ml bags BIOSAFE type	ACC-RACK-202
	50 ml bags BAXTER type (R4R9951)	1 Rack 7 Stages (max 56 racks per container)	ACC-RACK-37
		BATCH of 56 Racks	ACC-RACK-142
	200-250 ml bags BAXTER type (R4R9954)/ GAMBRO (DF200)	1 Rack 4 Stages (max 50 racks per container)	ACC-RACK-38
		BATCH of 50 Racks	ACC-RACK-138
	500 ml bags BAXTER type (R4R9955)	1 Rack 4 Stages (max 28 racks per container)	ACC-RACK-34
		BATCH of 28 Racks	ACC-RACK-144
	750 ml bags BAXTER type (R4R9957)	1 Rack 4 Stages (max 23 racks per container)	ACC-RACK-35
		BATCH of 23 Racks	ACC-RACK-145
	700 ml bags GAMBRO type (DF700)	1 vertical Rack 2 Stages (max 38 racks per container)	ACC-RACK-32
		BATCH of 38 vertical Racks	ACC-RACK-139
		1 horizontal Rack 4 Stages (max 32 racks per container)	ACC-RACK-36
		BATCH of 32 horizontal Racks	ACC-RACK-177

Storage capacity does not vary between liquid version and gas version

* 85 visotubes per stage

** ESPACE 661 is fully equipped with: 31 racks for boxes of 81 vials + 4 racks for boxes of 25 vials

Racks, canisters and CRYOMEMO electronic system are class I medical devices.

Cryopreservation vessels

ESPACE Range - Accessories



I supplement with accessories

	Storage type	Description	Batch	Reference
	Straws	Standard goblet Ø 65 mm	x 20	ACC-BOXTUBE-301
		"Daisy" goblets Ø 65 mm with lid	x 5	ACC-BOXTUBE-302
		Goblets with holes Ø 65 mm with lid	x 10	ACC-BOXTUBE-415
		Stand for goblets (ESPACE 151)	x 1	ACC-BOXTUBE-305
		Bent lifter for canister 5 Stages	x 1	ACC-BOXTUBE-404
		Polygonal visotube	x 100	ACC-BOXTUBE-1
		Visotube Ø 10 mm without lid	x 100	ACC-BOXTUBE-3
		Visotube Ø 12 mm without lid	x 100	ACC-BOXTUBE-4
		Visotube Ø 12 mm with lid	x 100	ACC-BOXTUBE-5
			Cryo-vials 1.2-2 ml	1ml cryo-vial with skirt white lid
2ml round bottom cryo-vials with white lid	x 100			ACC-BOXTUBE-11
Metallic vial holder rod (capacity 6 cryo-vials)	x 10			ACC-BOXTUBE-411
Standard goblet Ø 65 mm	x 20			ACC-BOXTUBE-301
Bent lifter for canister 5 Stages	x 1			ACC-BOXTUBE-404
Box 133 x 133 x 51 mm for 100 cryo-vials	x 10			ACC-BOXTUBE-104
Box 76 x 76 x 51 mm for 25 cryo-vials	x 8			ACC-BOXTUBE-105
Box 133 x 133 x 51 mm for 81 cryo-vials	x 4			ACC-BOXTUBE-106
	Cryo-vials 5 ml	5ml round bottom cryo-vials with white lid	x 100	ACC-BOXTUBE-16
		Metallic vial holder rod (capacity 3 cryo-vials)	x 10	ACC-BOXTUBE-411
		Standard goblet Ø 65 mm	x 20	ACC-BOXTUBE-301
		Bent lifter for canister 5 Stages	x 1	ACC-BOXTUBE-404
		Box 133 x 133 x 95 mm for 81 cryo-vials	x 4	ACC-BOXTUBE-107
	Bags 25 ml	Cardboard case 9 x 76 x 92 mm	x 700	ACC-BOXTUBE-254
		Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223
	Bags BAXTER 50 ml	Cardboard case 14 x 83 x 166 mm	x 600	ACC-BOXTUBE-250
		Half-aluminium half-plastic case 17 x 92 x 173 mm	x 1	ACC-BOXTUBE-203
		Aluminium case 17 x 92 x 173 mm	x 1	ACC-BOXTUBE-200
		Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223
	Bags BAXTER/GAMBRO 200-250 ml	Cardboard case 14 x 155 x 188 mm	x 380	ACC-BOXTUBE-251
		Half-aluminium half-plastic case 17 x 164 x 194 mm	x 1	ACC-BOXTUBE-204
		Aluminium case 17 x 164 x 194 mm	x 1	ACC-BOXTUBE-205
	Bags BAXTER 500 ml	Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223
		Cardboard case 12 x 138 x 236 mm	x 300	ACC-BOXTUBE-252
		Half-aluminium half-plastic case 15 x 147 x 244 mm	x 1	ACC-BOXTUBE-202
Aluminium case 15 x 147 x 244 mm		x 1	ACC-BOXTUBE-201	
Bags BAXTER 750 ml	Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223	
	Cardboard case 15 x 155 x 281 mm	x 300	ACC-BOXTUBE-253	
	Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223	
Bags GAMBRO 700 ml	Cardboard case 15 x 155 x 281 mm	x 300	ACC-BOXTUBE-253	
	Half-aluminium half-plastic case 17 x 164 x 288 mm	x 1	ACC-BOXTUBE-207	
	Aluminium case 17 x 164 x 288 mm	x 1	ACC-BOXTUBE-206	
	Marking rack ESPACE / RCB	x 1-100	ACC-RACK-223	

Racks, canisters and CRYOMEMO electronic system are class I medical devices.