



Refrigerated high capacity microprocessor controlled centrifuge suitable for tubes, flasks and blood bags “Megafriger-BLT-Blood” and “Macrofriger-BLT-Blood”



Original J.P. Selecta design. With maintenance free induction drive motor

SAFETY:

SAFETY, CONFORMS TO UNE-EN 61010-2-020.
 PROTECTIVE INTERNAL CYLINDER BETWEEN THE CASE AND BOWL.
 THE LID CANNOT BE OPENED WHILE THE ROTOR IS SPINNING.
 THE MOTOR CANNOT SPIN WHILE THE LID IS OPEN.

IMBALANCE DETECTOR, AUTOMATICALLY STOPS IF THERE IS ANY IMBALANCE.
 DOUBLE ELECTROMAGNETIC LID LOCK.
 IF THERE IS A POWER FAILURE, A FAIL SAFE SYSTEM CAN BE USED TO OPEN THE LID.
 EMERGENCY STOP BUTTON.

COMMON FEATURES

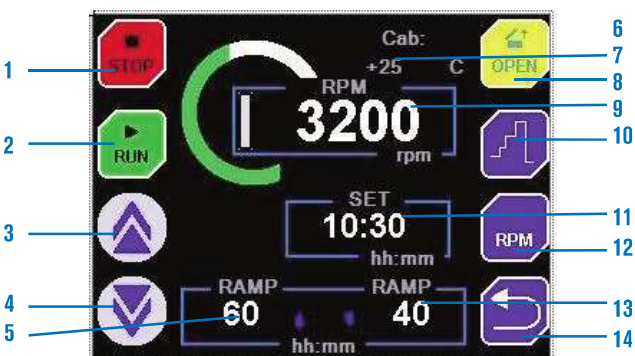
7” TFT touch screen.
 Furniture: aluminum structure in Megafriger model and in steel tube with Dur-Al sides in Macrofriger model.
 Internal Stainless steel bowl.
 Aluminium windbreak cover.
 Safety shield: 8 mm thick steel.
 Swing-out rotor, buckets and adapters made of high-density material, engraved identification unalterable.
 Suspended motor with silent-block and shock absorbers that guarantee smooth, quiet operation without vibrations.
 Drive force: equipped with an induction drive maintenance free and highly efficient pollution free motor.
 Semi-hermetically sealed, compressor pollution free with no hydrocarbons or fluorocarbons.
 Mounted on an anti vibration adjustable rubber feet.
 Microprocessor digital control of all functions: speed, acceleration, brake, R.C.F., temperature, time, 10 program memory, rotor identification, operation fault alarm.
 Digital indicator of the rotor and blood bag buckets operating hours.

APPLICATIONS

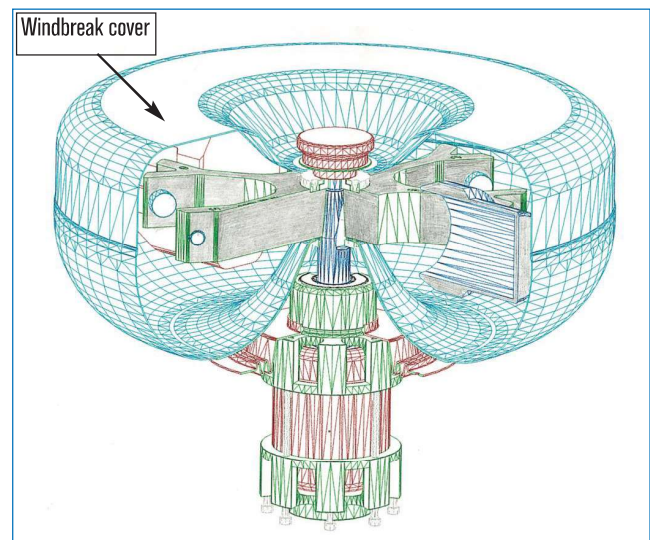
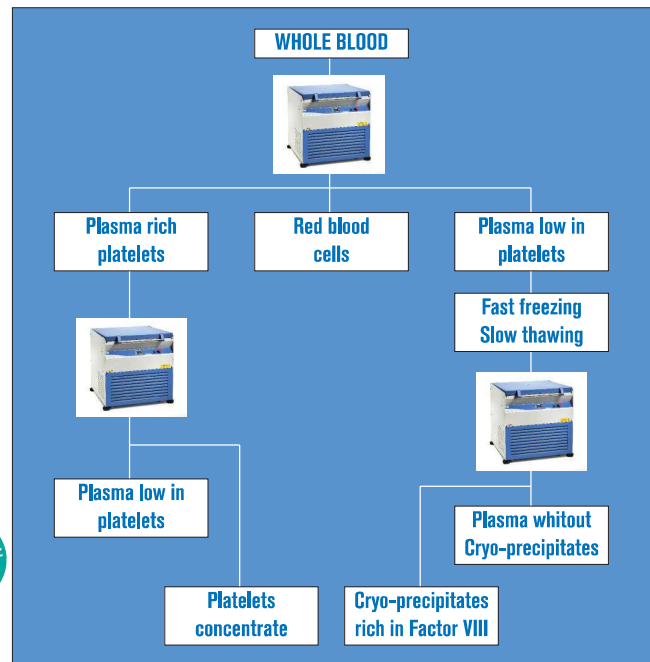
Specially designed for blood bank applications, where repeatability, precision and reliability of: speed, time, temperature, acceleration and deceleration are significant factors in obtaining perfect separations of the distinct blood fractions.
 Serology investigations.
 Molecular biology.
 Serum separation, pharmaceutical applications.

CONTROL PANEL

Touch screen



- | | |
|---------------------------------------|----------------------------------|
| 1. Stop process key. | 8. Door opening key. |
| 2. Start process key. | 9. RPM or RCF real-time reading. |
| 3. Increase value key. | 10. Sequential operation. |
| 4. Decrease value key. | 11. Time set-up in process. |
| 5. Scheduled acceleration ramp. | 12. Key to change RPM / RCF. |
| 6. Rotor model in use. | 13. Braking ramp programmed. |
| 7. Reading the real time temperature. | 14. Return key.. |
- (refrigerated models only).



Cross-section of the motor, rotor drive mechanism, showing the windbreak protector with lid that reduces the air resistance and maintains a regulated temperature.



Refrigerated high capacity microprocessor controlled centrifuge suitable for tubes, flasks and blood bags "Megafriger-BLT-Blood"

ADJUSTABLE WORKING TEMPERATURES FROM -10 TO 40 ° C. (TEMPERATURE AT STANDSTILL -20 ° C).
CAPACITY UP TO 1000 ML BOTTLES AND SPECIAL FOR BLOOD BAGS OF 500 TO 800 ML.
MAXIMUM CAPACITY 4 BAGS.

NEW



Swing out rotor 4 places detail



Features and control panel (see page 129).

TECHNICAL SPECIFICATION

Maximum volume:	.....	4000 ml
Maximum bucket volume:	.....	1000 ml
Speed 7001488:	.....	from 300 to 4600 r.p.m.
Accuracy:	.....	± 5 r.p.m.
Resolution r.p.m.:	.....	10 r.p.m.
R.C.F.:	.....	from 24 to 5700
Imbalance:	.....	± 5 g
Accuracy:	.....	4 g
Temperature range:	.....	from -10 °C to 40 °C
Temperature stability:	.....	±4 °C
Resolution:	.....	1 °C
Temperature range:	.....	.99 min. 59 sec.
Centrifuge radius:	.....	.241 mm
Acceleration profile:	.....	.5
Brake profile:	.....	.9 linear 6 quadratic
Voltage:	.....	.230.
Power:	.....	.1700 VA

MODEL

Part No.	Max. Volume ml	Max. Capacity	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001488	4000	4 bags x 1000 ml	97 70 72	1700	190

ACCESSORIES FOR PART NO. 7001490

Swing out rotor 4 places, treated steel.



Part No. **7001343**

Interchangeable buckets and reducers with identification sign. Autoclavable.



Single bucket.
Bags of 500 to 800 ml.
Part No. **7001344**



Single bucket.
Capacity: 1 blood bag of 500 to 800 ml or 1 flask of 1 litre or with tube adapters.
Part No. **7001393**

Adapters for single bucket Part No. 7001393.

Bottle



1001394



7001395



7001396



7001397



7001398



7001399



7001400



7001401

Single Bucket	Part No. adapter	Total max. Volume (4 adapters)	Capacity: bags, tubes by adapter	Ø x Length mm	R.p.m. Min./Max.	R.c.f. (xg) Min./Max.
7001344	-	3200 ml	2 bag 500 or 800 ml	-	300/4600	24/5520
7001393 Capacity without adapter: 1 bag of 500 to 800 ml or 1x bottle 1000 ml	Bottle 1000 ml 1001394	4000 ml	1 bottle 1000 ml or 1 bag	98 x 175	300/4600	24/5520
	7001395	2000 ml	1 bottle 500 ml	70 x 165	300/4600	24/5520
	7001396	800 ml	1 bottle 200 ml	56.6 x 104	300/4600	24/5520
	7001397	800 ml	2 tubes 100 ml	44 x 104	300/4600	24/5520
	7001398	800 ml	4 tubes 50 ml	34 x 100	300/4600	24/5520
	7001399	900 ml	9 tubes 25 ml	24 x 100	300/4600	24/5520
	7001400	1020 ml	17 tubes 15 ml	16.5 x 100	300/4600	24/5520
7001401	672 ml	24 tubes 7 ml	12 x 100	300/4600	24/5520	

Note: All buckets and adapters come without tubes, see page 132 for tubes and accessories.
Other adapters can be manufactured as per customers specification.

COMPLEMENTS



Blood bank refrigerated cabinets "Blood Bank" A, C and D

FORCED AIR CIRCULATION.
FIXED TEMPERATURE +4 °C. STABILITY ±1,5 °C. RESOLUTION 1 °C.
SEVEN DAYS GRAPHIC TEMPERATURE REGISTER.
CAPACITIES FROM 80 TO 480 BLOOD BAGS.

FEATURES

See page. 79



MODELS	Part No.	Capacity litres	Capacity bags	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Power HP	Number of shelves	Weight Kg
Blood Bank A	2101519	235	80	109 51 55	156 61 62	300	1/7	4	90
Blood Bank C	2101512	560	200	153 54 66	213 80 79	497	3/8	4	165
Blood Bank D	2101514	1240	480	153 124 68	213 139 79	1034	5/8	8	212

They are supplied with trays.



Refrigerated high capacity microprocessor controlled centrifuge suitable for tubes, flasks and blood bags “Macrofriger-BLT-Blood”

ADJUSTABLE WORKING TEMPERATURES FROM 0 TO 40 ° C. (TEMPERATURE AT STANDSTILL -20 ° C).
CAPACITY UP TO 1000 ML BOTTLES AND SPECIAL FOR TRIPLE AND QUADRUPLE BLOOD BAGS OF 500 TO 800 ML.
MAXIMUM CAPACITY 12 BAGS.



Image showing the rotor and double buckets for quad and triple blood bags of 500 and 800 ml.

Features and control panel (see page 129).

TECHNICAL SPECIFICATION

Maximum volume:	.....	9600 ml
Maximum bucket volume:	.....	1600 ml
Speed 7001490.:	.....	from 300 to 4070 r.p.m.
Accuracy:	.....	± 5 r.p.m.
Resolution r.p.m.:	.....	10 r.p.m.
R.C.F.:	.....	from 29 to 5430
Imbalance:	.....	± 5 g
Accuracy:	.....	4 g
Temperature range:	.....	from -20 °C to 40 °C
Temperature stability:	.....	±4 °C
Resolution:	.....	1 °C
Temperature range:	.....	99 min, 59 sec.
Centrifuge radius:	.....	290 mm
Acceleration profile:	.....	.5
Brake profile:	.....	.9 linear 6 quadratic
Voltage:	.....	.230/400 three phase.
Power:	.....	4500 VA

MODEL

Part No.	Max. Volume ml	Max. Capacity	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001490	9600	12 bags x 800 ml	105 96 96	5500	420



ACCESSORIES FOR PART NO. 7001490

Swing out rotor 6 places, treated steel.



Part No. **7001391**

Interchangeable buckets and reducers with identification sign. Autoclavable.



Buckets with two compartments for blood bags of 500 to 800 ml. For triple and quad bags
Part No. **7001392**



Single bucket.
Capacity: 1 blood bag of 500 to 800 ml or 1 flask of 1 litre or with tube adapters.
Part No. **7001393**

Bags holder set for double cup 7001392
Part No. **0928292**

Adapters for single bucket Part No. 7001393.

Bottle



1001394



7001395



7001396



7001397



7001398



7001399



7001400



7001401

Double Bucket	Single Bucket	Part No. adapter	Total max. Volume (6 adapters)	Capacity: bags, tubes by adapter	Ø x Length mm	R.p.m. Min./Max.	R.c.f. (xg) Min./Max.
7001392	-	-	9600 ml	2 bags 500 or 800 ml	-	300/4070	29/5450
-	-	Bottle 1000 ml 1001394	6000 ml	1 bottle 1000 ml or 1 bag	98 x 175	300/4070	29/5430
-	7001393	7001395	3000 ml	1 bottle 500 ml	70 x 165	300/4070	29/5430
-	Capacity	7001396	1200 ml	1 bottle 200 ml	56.6 x 104	300/4070	29/5430
-	without adapter:	7001397	1200 ml	2 tubes 100 ml	44 x 104	300/4070	29/5430
-	1 bag of	7001398	1200 ml	4 tubes 50 ml	34 x 100	300/4070	29/5430
-	500 to 800 ml	7001399	1350 ml	9 tubes 25 ml	24 x 100	300/4070	29/5430
-	or 1x bottle	7001400	1530 ml	17 tubes 15 ml	16.5 x 100	300/4070	29/5430
-	1000 ml	7001401	1008 ml	24 tubes 7 ml	12 x 100	300/4070	29/5430

Note: All buckets and adapters come without tubes, see page 132 for tubes and accessories.
Other adapters can be manufactured as per customers specification.

ACCESSORIES FOR PART NO. 7001490

Swing out rotor 4 places, treated steel.



Part No. **7001394**

Biological single bucket safety with screw cap for 2 bags of 450 ml blood or 1 bag of 1200 ml.



Part No. **7001330**



7001331



7001332



7001333

Double Bucket	Single Bucket	Part No. adapter	Total max. Volume (4 adapters)	Capacity: bags, tubes by adapter	Ø x Length mm	R.p.m. Min./Max.	R.c.f. (xg) Min./Max.
-	7001330	-	4800 ml	2 bags of 450 or 1 of 1200 ml	-	300/4070	32/5944
-	Capacity	7001331	1600 ml	8 x 50 ml falcon tubes	34 x 120	300/4070	27/4944
-	without adapter: 2 bags	7001332	2100 ml	35 x 15 ml VAC tubes	15,5 x 100	300/4070	25/4722
-	of 450 ml or 1 of 1200 ml	7001333	700 ml	35 x 5 ml VAC tubes	12,5 x 75	300/4070	24/4444

COMMON ACCESSORIES. Tubes of glass and plastic.

Plastic tubes and flasks with screw cap lids.

Volume ml	Dimensions mm	Type	Part No.	Material	Max. (xg) range	Temperature °C
10	16 Ø x 80	Comecta	5752399	Polypropylene	50000	4 ... 121
		Herolab	5752421	Polypropylene	57000	-180 ... 145
		Herolab	5752401	Polycarbonate	57000	-150 ... 121
30	25 Ø x 92	Comecta	5752398	Polypropylene	50000	4 ... 121
		Herolab	5752955	Polypropylene	64000	-180 ... 145
		Herolab	5752951	Polycarbonate	64000	-150 ... 121
50	29 Ø x 103	Comecta	5752397	Polypropylene	50000	4 ... 121
		Herolab	5753205	Polypropylene	69000	-180 ... 145
		Herolab	5753201	Polycarbonate	69000	-150 ... 121
80	38 Ø x 105	Comecta	5752396	Polypropylene	40000	4 ... 121
		Herolab	5753243	Polypropylene	50000	-180 ... 145
		Herolab	5753241	Polycarbonate	50000	-150 ... 121
200	56.6 Ø x 104	Herolab	5715202	Polypropylene	10000	-180 ... 145
		Herolab	5715203	Polycarbonate	10000	-150 ... 121
		Comecta	5752395	Polypropylene	13200	4 ... 121
250	62 Ø x 122	Herolab	5753411	Polypropylene	33000	-180 ... 145
		Herolab	5753401	Polycarbonate	33000	-150 ... 121
		Herolab	5753512	Polypropylene	14000	-180 ... 145
500	70 Ø x 165	Herolab	5753501	Polycarbonate	14000	-150 ... 121
		Herolab	5752571	Polypropylene	4936	-180 ... 145
1000	98 Ø x 175	Herolab	5752561	Polycarbonate	4936	-150 ... 121



Type HEROLAB polycarbonate tubes transparent Polypropylene tubes translucent. Autoclavable.

Type COMECTA polypropylene translucent. Autoclavable.



Glass Tubes.

Volume	Dimensions mm	Part No.
Micro-haematocrit*	1.4 Ø x 75	7000910
7 ml	12 Ø x 100	7000773
15 ml	16.5 Ø x 100	7000772
25 ml	24 Ø x 100	7000771
50 ml	34 Ø x 100	7000770
100 ml	44 Ø x 104	7000769
250 ml	56 Ø x 147	7000768
ASTM	Conical	7001088
ASTM	Pear shape	7000767

*Box of 100 tubes.

SPARE

Buckets for angle rotors.

Suitable for model	Part No. 15 ml plastic	Part No. 15 ml plastic	Part No. 50 ml metal	Part No. 100 ml metal
Cencom II	7001403	7001500	7005000	7001000
Part No. 7002240	Yes			
Centro-8		Yes		
Part No. 7002356				
Centromix BLT		Rotor		
Part No. 7002556		7000550		
Meditronic BLT		Rotor	Rotor	Rotor
Part No. 7001476		7000743	7000742	7000741
Medifriger BLT		Rotor	Rotor	Rotor
Part No. 7001477		7000743	7000742	7000741
Macrotronic BLT		Rotor	Rotor	
Part No. 7001485		7000560	7000561	
Macrofriger BLT		Rotor	Rotor	
Part No. 7001486		7000560	7000561	

ALL THE ROTORS, BUCKETS AND ADAPTERS COME WITH LASER ETCHED IDENTIFICATION.

ACCESSORIES for cytology

Description	Part No.
1. Slide clip fastener	5004050
2. Sample container	5004051
3. Two samples container	5004052
4. Filter	5004053
5. Cyto slide of 1 circle	5004054
6. Cyto slide of 2 circles	5004055
7. Disposable container 1 sample	5004056
8. Disposable container 2 samples	5004057

