



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.

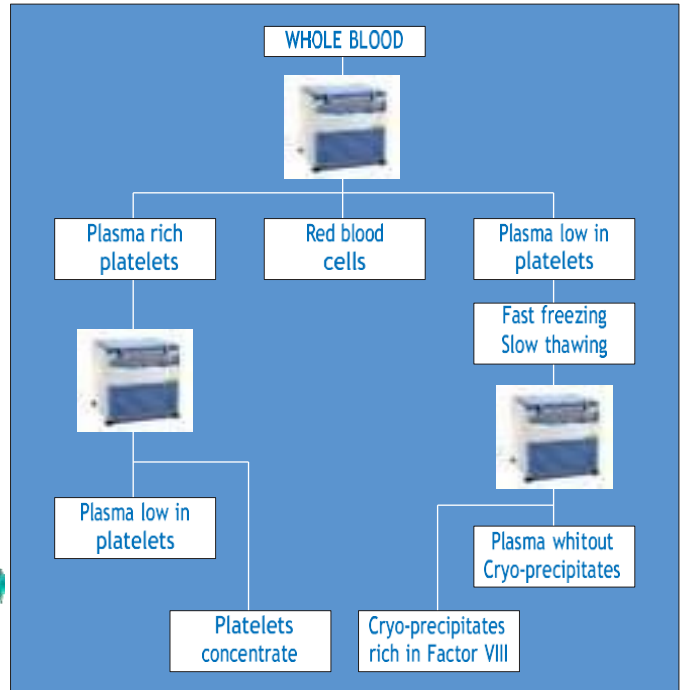
COMMON FEATURES

- 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.
- Condensed water drainage system available
- 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.

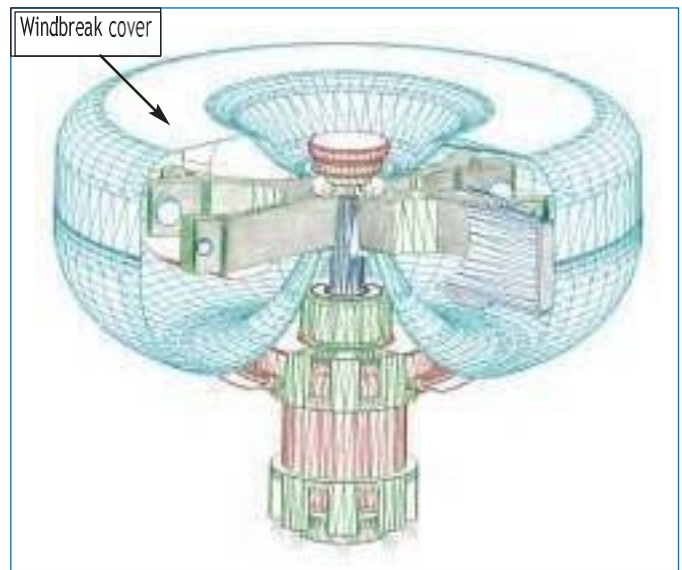
Serology investigatios.
 Molecular biology.
 Serum separation, pharmaceutical applications.



CONTROL PANEL



- | | |
|--|----------------------------------|
| 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.
(refrigerated models only). | 14. Return key.. |



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 "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 QUADRUPE 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
-	7001395	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
-	500 to 800 ml	7001398	1200 ml	4 tubes 50 ml	34 x 100	300/4070	29/5430
-	or 1x bottle	7001399	1350 ml	9 tubes 25 ml	24 x 100	300/4070	29/5430
-	1000 ml	7001400	1530 ml	17 tubes 15 ml	16,5 x 100	300/4070	29/5430
-	-	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