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Centrifuge comparison by model and tube capacity


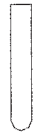


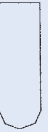
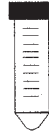










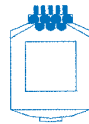




Description	Micro-haematocrit	Reaction vial	Reaction vial	Hemolysis	Glass
Capacity		0.25/0.5 ml	1.5/2.2 ml	5 ml	7 ml
Dimensions	Ø 1.4 X 75 mm	Ø 6,3/7 X 47/49 mm	Ø 10.7/13 X 42 mm	Ø 12.5 X 75 mm	Ø 12 X 100 mm
Description			Tube RIA	Tapval or VAC tube	
Capacity			5 ml	5 ml	
Dimensions			Ø 12 X 55/75 mm	Ø 13 X 75/80 mm	

SUMMARY TABLE OF CENTRIFUGES BY MODEL IN RELATION TO VOLUME, CAPACITY SPEED AND MAXIMUM RCF (G). *QUICK OVERVIEW*

Model	Part No.	Max. Volume ml	Max. Volume of tube ml	R.p.m. max.	R.c.f. max. (xg)						
Manual	7000014	30	15	1500	360						
	7000015	60	15	1500	360						
	7000016	2 x butyrometer	–	1500	370						
Gencom II	7002240	90	15	4000	1760						
Centro 4-BL	7002560	20	5	5000	2907			4			
Centro 8-BL	7002356	120	15	4500	2515			8	8		
Centrolit II-BL	7002357	40,5	2,2	12000	14103	24	18	18			
Centromix-BLT	7002556	120	25	12000	14200			8	4		
Mixtasel-BLT	7002576	400	100	4200	2901			24	16	24	
Centronic-BLT	7001768	400	100	13500	19048	24	40	30	24	16	24
Centrifriger-BLT	7001769	400	100	15300	23550	24	40	30	24	16	24
Meditronic-BLT	7001476	800	200	11000	12619			30	48		
Medifriger-BLT	7001477			15000	23470				48	28	48
Macrotronic-BLT	7001485	2000	500	10000	12296			80			
Macrofriger-BLT	7001486			12000	17706				80	48	96
Macrofriger-BLT-Blood	7001490	9600	1000	4070	5370						144

See page 132 for tubes and accessories. Tubes supplied as an accessory unless stated.

Plastic with cap	Glass	Glass	Plastic with cap	Glass	Falcon	Glass	Bottle	Glass	Bottle	Bottle	Butyrometer	ASTM
10 ml	15 ml	25 ml	30 ml	50 ml	50 ml	100 ml	200 ml	250 ml	500 ml	1000 ml		
Ø 16.1 X 81.1 mm	Ø 16 X 100 mm	Ø 24 X 100 mm	Ø 25.3 X 92 mm	Ø 34 X 100 mm	Ø 29.5/35 X 117 mm	Ø 44/45 X 100 mm	Ø 56.5 X 104 mm	Ø 56 X 147 mm	Ø 69 X 159 mm	Ø 98/100 X 160-175 mm		Ø 58 X 158 mm
												
Tapval or VAC tube	Falcon				Plastic with cap				Blood bag	Microtiter		ASTM
10 ml	15 ml				80/85 ml				500/600 ml	6x96		100 ml
Ø 16 X 100 mm	Ø 16/23 X 120 mm				Ø 38 X 112 mm					Ø 85 X 130 mm		Ø 37 X 200 mm
												
	2 4										2	
	6 6											
	8											
4	8	4										
16	18 16	8	8	8	4	4						
10 16	18 16	8	8	8	4	4						
10 16	18 16	8	8	8	4	4						
20 28	28 12	8	6	8	4 6	6	4			6x96		
20 68	68 16	36	20	16	8 6	4	4	4	4	12x96		4 4
	102	54		24		12	6		6 12	6		



Hand operated centrifuges

FEATURES

For 15 ml and butyrometer tubes.
Comes with a table holding clamp.
Adaptable heads for 2 or 4 x 15 ml tubes or for 2 butyrometer tubes.

MODELS

Part No.	Comes with head for	Max. speed r.p.m.	Max. R.c.f.	Weight Kg
7000014	2 tubes	1500	360	1.1
7000015	4 tubes	1500	360	1.2
7000016	2 butyrometers	1500	370	1.2

Comes with head and metal buckets.



Head for two tubes.
Part No. **7000017**
Head for four tubes.
Part No. **7001388**

Bucket for 15 ml tubes.
Part No. **7001500**
Head for two butyrometers.
Part No. **7000018**



Centrifuge Angle rotor "Cencom II"

WITH ANGLE ROTOR FOR 6 X 15 ml TUBES AND 6 ADDITIONAL ADAPTERS FOR 15 ML FALCON TUBES.
DIGITAL ELECTRONIC CONTROL OF SPEED AND TIME. ADJUSTABLE SPEED UP TO 4000 r.p.m. (1790 R.c.f.)

SAFETY:

SAFETY ACCORDING TO EN. 61010.2.020 SAFETY MICRO-SWITCH THAT DISCONNECTS THE POWER TO THE MOTOR WHEN THE LID IS OPENED.
PROTECTIVE FUSE LOCATED AT THE BACK OF THE INSTRUMENT.

APPLICATIONS

General laboratory use and teaching.

FEATURES

External case made from coated ABS plastic.
Rubber suspended motor, reduces any motor vibrations.
Fixed angle 6 place rotor with identification code.
Transparent polycarbonate lid that allows the user to see inside the centrifuge.
Speed selection from 1000 to 4000 r.p.m. in 500 r.p.m. steps.
Time selection from 1' to 60' in steps of 1'.

CONTROL PANEL

Digital display of speed and time.
Push button Start-Stop.
Push button selector for speed and time.
Push button increase value.
Push button decrease value.

Cross section view of the angle rotor showing bucket and bucket support.



MODEL

Part No.	Tube capacity ml	Height/Ø (exterior) cm	Max. speed r.p.m.	Max. R.c.f.	Power W	Weight Kg
7002240	6 x 15	28 26	4000	1760	80	4.5

Supplied complete with 6 x 15 ml tubes with adapters and 6 adapters for 15 ml Falcon tubes.

ACCESSORY

Adapter. Suitable for 13 Ø x 75 mm VAC tubes.
Rotor capacity, 6 adapters.
Part No. **1001556**



Digital microprocessor controlled Centrifuges, Series BL and BLT



- INDUCTION DRIVE, MAINTENANCE FREE (NO CARBON BRUSHES).
- SPEED CONTROL BY VARIABLE FREQUENCY SYSTEM.
- RELIABLE FUNCTIONS AND REPEATABILITY.
- LOGICAL EASY TO USE CONTROL PANEL.
- SUSPENDED, DAMPENED VIBRATION FREE MOTOR DRIVE, GUARANTEES SMOOTH OPERATION.
- QUIET OPERATION, INTERNAL INSULATION WHICH ABSORBS NOISE AND VIBRATIONS.
- SUCTION SUPPORT FEET THAT PREVENTS BENCH CREEP.

SAFETY:
 AUTOMATICALLY STOPS IF OUT OF BALANCE.
 LID CANNOT BE OPENED IF THE MOTOR IS RUNNING.
 SYSTEM CANNOT BE STARTED IF THE LID IS OPEN.
 SPEED LIMITED BY EACH ROTOR.

TWO DIFFERENT CONTROL SYSTEMS:



Digital display and



TFT touch screen

CENTROLIT II-BL - CENTRO 4-BL - CENTRO 8-BL



Specific functions of models with digital screen:

- Electronic control of speed.
- Electronic control of time.



CENTROMIX BLT - MIXTASEL BLT - CENTRONIC BLT - CENTROFRIGER BLT - MEDITRONIC BLT - MEDIFRIGER BLT - MACROTRONIC BLT - MACROFRIGER BLT - MACROFRIGER BLT-BLOOD



Specific functions of models with touch screen:

- Acoustic and visual alarm
- 10 working programs with 6 parameters for each program: acceleration, braking, rpm, time, type of rotor.
- Network failure detection and storage.
- Safety thermostat (refrigerated models only).
- USB output.

- Software for PC
- Temperature correction (refrigerated models only).
- Languages: Spanish, English and French.
- Overtemperature and Low temperature alarm.
- Manual user on screen.
- Rotors list available on screen.
- Door open alarm.
- Centrifugation cycles with up to 4 time-speed steps.
- Rotor and motor running hours log.



CENTRIFUGES ELECTRONIC DIGITAL CONTROL “Centrolit II-BL”, “Centro-4-BL”, “Centro-8-BL”, With induction drive maintenance free motor.



SAFETY:

UNE-EN 61010.2.020. ELECTROMAGNETIC LID LOCK, PREVENTS THE OPENING OF THE CENTRIFUGE IF THE ROTOR IS IN MOTION. PREVENTS THE STARTING OF THE MOTOR IF THE LID IS OPEN. ROTOR AND BUCKETS ARE IDENTIFIED BY LASER SIGNAL. AUTOCLAVABLE.

COMMON FEATURES

Electronic control with digital display of speed and time, with acceleration and brake ramp.

Timer controllable from 1' to 60' or continuous operation.

Rubber suspended motor that guarantees a smooth operation.

Digital speed display.

Pulse button, that drives the motor while pressed.

Automatic stop if out of balance, with indicator light.

Suction base supports that adhere to the work bench surface.

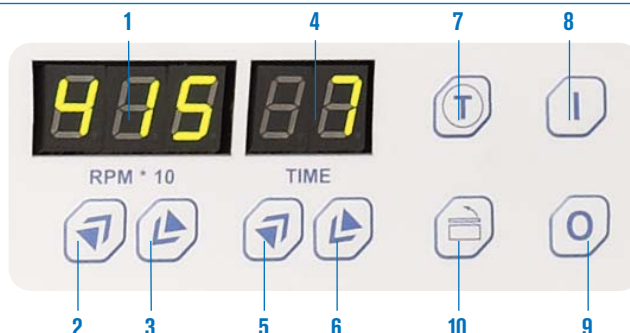
Quiet operation, insulated interior that absorbs noise and vibrations.

In the case of mains failure, manual open override aperture.

Noise level 50-60dBA.

Rotors and buckets with laser identification.

Autoclavable.



CONTROL PANEL

1. Speed display.
2. Push button increase speed.
3. Push button reduce speed.
4. Run Time display.
5. Push button increase run time.
6. Push Button decrease run time.
7. Push button pulse start (RUN/STOP).
8. Push button start.
9. Push button stop.
10. Push button open lid.



Centrifuge “Centrolit II-BL”

SUITABLE FOR HAEMATOCRIT AND SMALL VIALS OF 0.25/0.5 ml AND TUBES OF 1.5/2.2 ml.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.



7001704



7001703



7001702



ABS plastic moulded external case.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002357	66.6	18 x 1.5 / 2.2 ml	20 28 34	200	6.5

SPARES. Tubes (see page 132).

ACCESSORIES

Interchangeable rotors made of hardened anodised aluminium. Autoclavable.

Part No. head	Rotor type	Volume rotor	Tube capacity maximum	Max. R.p.m.	Max. R.c.f. (xg)
7001704	Micro-haematocrit	-	24 x 1.4 mm Ø	12000	13143
7001703	Angle+lid	40.5 ml	18 x 0.25/0.5 ml + 18 x 1.5/2.2 ml	12000	14103
7001702	Angle PCR	6,4 ml	32 x 0.2 mm Ø	12000	12500

Angle rotors supplied without tubes.

Micro-haematocrit rotor supplied with one box of 100 tubes.



Micro-haematocrit reader.
Suitable for micro-haematocrit rotor 7001704.
Part No. **7000929**



Centrifuge "Centro-4-BL"

WITH SWINGOUT HEAD FOR 4 TUBES OF 75 X 13 mm VAC.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.



Control panel features (see page 116).

Centrifuge kit for separating plasma rich platelets from whole blood.



MODEL

Part No.	Height / Width / Depth (exterior) cm	Power W	Max. R.p.m.	Max. R.c.f. (xg)	Weight Kg
7002560	20 28 34	170	5000	2907	6

Rotor comes without tubes.

ABS plastic moulded external case.



Centrifuge "Centro-8-BL"

WITH ANGLE ROTOR FOR 7-15 ml TUBES AND 75 X 13 mm VAC (WITH ADAPTERS).
FREE MAINTENANCE INDUCTION DRIVE MOTOR.



Control panel features (see page 116).



ABS plastic moulded external case



MODEL

Part No.	Max. Volume ml.	Tube capacity	Height / Width / Depth (exterior) cm	Power W	Max. R.p.m.	Max. R.c.f. (xg)	Weight Kg
7002356	120	8 x 15 ml	20 28 34	170	4500	2515	6.5

Supplied complete with 8 x 15 ml glass tubes.

ACCESSORIES

Bucket adapter for 7 ml tubes.
Rotor capacity: 8 adapters.
Part No. **7000700**

Bucket adapter for 75 x 13 mm VAC. tubes.
Rotor capacity: 8 adapters.
Part No. **1001557**

SPARES. Tubes (see page 132).

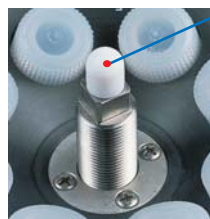


MICROPROCESSOR CONTROLLED CENTRIFUGES “Centromix BLT”, “Mixtasel BLT”, “Centronic BLT” and “Centrofriger BLT”

COMMON FEATURES

Robust all metal construction:

- External case made from DUR-Al alloy.
- Internal bowl and top plate all stainless steel
- Internal steel safety chamber within the case.



Rotor identification head (only models “Centronic BLT” and “Centrofriger BLT”) when the centrifuge lid is closed the rotor communicates all the data of the functions of it. This prevents, before use, any risk of failure of using the wrong rotor in a program or exceeding the rotors running parameters. The advantage of this system is that we can add additional rotors to the range without changing the centrifuge model.

Electronic circuits, microprocessor digital control of all parameters and functions: speed, acceleration, brake, RCF, temperature, timer, 10 program storage, automatic rotor recognition and alarm system.

Induction drive maintenance free motor.

Low noise level 50-60 dBa.

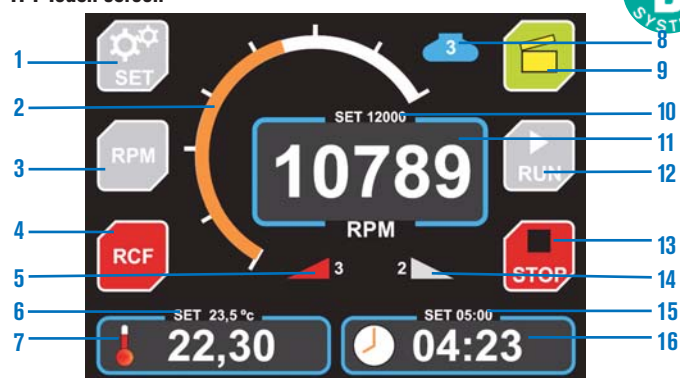
Rotors, buckets and adapters are identified with an inalterable engraved laser code.

Air circulation system, to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Hermetically sealed compressor, mounted on anti-vibration mounts with re-circulating evaporator around the centrifuge chamber. (only applies to refrigerated centrifuges).

CONTROL PANEL

TFT Touch screen



1. Enter parameters key.
2. Speed analog indicator .
3. RPM reading key.
4. RCF reading key.
5. Acceleration ramp programmed.
6. Temperature programmed. (refrigerated models only).
7. Reading the real time temperature. (refrigerated models only).
8. Rotor model in use.
9. Door opening key.
10. RPM or RCF programmed.
11. RPM or RCF real-time reading
12. Start process key.
13. Stop process key.
14. Programmed braking ramp.
15. Time set-up in process.
16. Elapsed time reading.



Centrifuge “Centromix BLT”

WITH A CHOICE OF ROTORS AND INTERCHANGEABLE ADAPTERS.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.



External DUR-AL case, with AISI 304 stainless steel bowl.



HEAD AND BUCKET REDUCERS

- Reducers for bucket. Part No. 7001066:**
- 7001813** For 1 tube 15 ml (16,5 Ø x 100 mm).
 - 7001814** For 1 tube 10 ml (16 Ø x 80 mm).
 - 7001815** For 1 tube 7 ml (12 Ø x 100 mm).
 - 7001816** For 1 tube 5 ml (12,5 Ø x 75 mm).
- Reducers for bucket. Part No. 7001067:**
- 7000700** For 1 tube 7 ml (12 Ø x 100 mm).
 - 1001557** For 1 tube 5 ml (12,5 Ø x 75 mm).
- Reducers for head. Part No. 7000555:**
- 7000700** For 1 tube 7 ml (12 Ø x 100 mm).
 - 1001557** For 1 tube 5 ml (12,5 Ø x 75 mm).



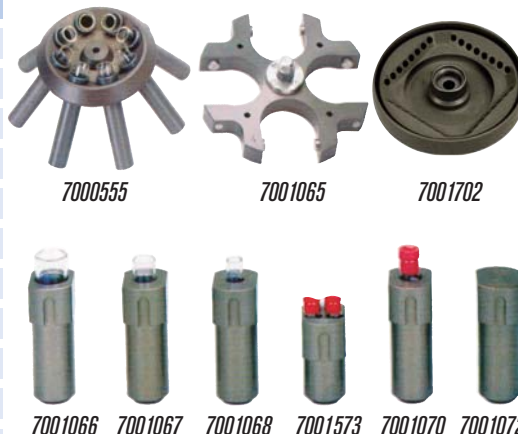
NEW DESIGN

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002556	120	4 x 25 ml	23 30 35	180	12

ACCESSORIES Rotors and interchangeable buckets and adapters.

Part No. head	Rotor type	Part No. bucket	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000555	Angle	-	150 ml	10 x 15 ml	16.5 x 100	4400	2063
7001065	Swing out	-	-	-	-	-	-
	Swing out	7001066	100 ml	1 x 25 ml	24 x 100	4400	2601
	Swing out	7001067	60 ml	1 x 15 ml	16.5 x 100	4400	2601
7001065	Swing out	7001068	28 ml	1 x 7 ml	12 x 100	4400	2601
	Swing out	7001573	40 ml	2 x 5 ml VAC	13 x 75	4400	2163
	Swing out	7001070	60 ml	VAC	16 x 100	4400	2601
	Swing out	7001072	-	undrilled	-	4400	2601
7001702	Angle PCR	-	6,4 ml	32 x 0.2 ml	-	12000	12500
7001704	Microhaemato.	-	-	24 x 1.4 mm Ø	-	12000	13143
7001703	Angle+lid	-	40.5 ml	18 x 0.25/0.5 ml	-	12000	14103



Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.



Centrifuge "Mixtasel-BLT"

MAINTENANCE FREE INDUCTION DRIVE MOTOR.

Polyvalent with rotors and interchangeable adapters

Control panel features (see page 118).



External case of DUR-AL alloy with ABS plastic coated front AISI 304 stainless steel bowl.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002576	400	4 x 100 ml	34 41 54	210	22

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
	Swing out	7000731	7000732	7000734	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	7000731	7000732	7000735	200 ml	2 x 25 ml	24 x 100	5000	4137
	Swing out	7000731	7000732	7000736	420 ml	7 x 15 ml and VAC*	16.5 x 100	5000	4137
7009079	Swing out	7000731	7000732	7001647	240 ml	6 x 10 ml	17 x 110	5000	4137
	Swing out	7000731	7000732	7000737	336 ml	12 x 7 ml	12 x 100	5000	4137
	Swing out	7000731	7000732	7000738	240 ml	12 x 5 ml	12.5 x 75	5000	4137
	Swing out	7000731	7000732	7001648	140 ml	7 x 5 ml and VAC*	13 x 75	5000	4137
	Swing out	7000731	7000732	7000739	144 ml	12 x 3 ml	11 x 100	5000	4137
	Swing out	7000731	7000732	7000740	-	undrilled	-	5000	4137
7000609	Swing out	-	-	-	-	6 x 96 microtiter	-	4200	2702

*VAC: Blood tube with stopper.

** Bucket part nos. 7000731 and 7000732 accommodate 1 x 200 ml polypropylene bottle with cap without the need of an adapter.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

ACCESSORIES

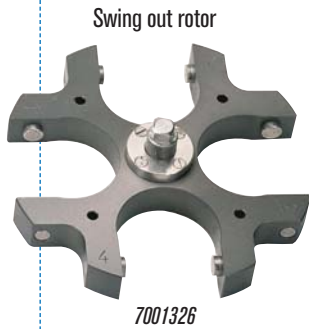
Interchangeable angle rotors with lids, made of hardened anodised aluminium. Rotors come with identification system. Autoclavable rotors and buckets.

Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7001705	Angle+lid	270 ml	18 x 15 ml	16.5 x 100	4200	2669
7001711	Angle+lid	400 ml	8 x 50 ml	34 x 100	4200	1921



Swing out rotor, interchangeable buckets and adapters each with identification code. Autoclavable.

BUCKETS



ADAPTERS



Part No. Rotor	Rotor type	Part No. bucket	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7001326	Swing out	7001700	-	-	400 ml	1 x 100 ml	44 x 104	4200	2901
	Swing out	7000793	-	-	200 ml	1 x 50 ml	34 x 100	4200	2901
	Swing out	7000794	-	-	100 ml	1 x 25 ml	24 x 100	4200	2901
	Swing out	7000795	-	-	240 ml	4 x 15 ml	16.5 x 100	4200	2901
	Swing out	7000796	-	-	140 ml	5 x 7 ml	12 x 100	4200	2901
	Swing out	7000797	-	-	100 ml	5 x 5 ml	12.5 x 75	4200	2441
	Swing out	7000930	-	-	240 ml	4 x 15 ml Falcon	16.5 x 120	4200	3030
	Swing out	7000931	-	-	200 ml	1 x 50 ml Falcon	30 x 117	4200	3030
	Swing out	7001073	-	-	16 VAC	4 VAC*	16 x 100	4200	2901
	Swing out	7001074	-	-	16 VAC	4 VAC*	13 x 75	4200	2441
	Swing out	7000798	-	-	undrilled	-	-	4200	2901
	Swing out	-	7001315	100 ml glass tube**	400 ml	1 x 100 ml	44 x 104	4200	2901
	Swing out	-	7001315	7001316	200 ml	1 x 50 ml	34 x 100	4200	2901
	Swing out	-	7001315	7001317	100 ml	1 x 25 ml	24 x 100	4200	2901
	Swing out	-	7001315	7001318	240 ml	4 x 15 ml	16.5 x 100	4200	2901
	Swing out	-	7001315	7001319	140 ml	5 x 7 ml	12 x 100	4200	2901
	Swing out	-	7001315	7001320	100 ml	5 x 5 ml	12.5 x 75	4200	2901
	Swing out	-	7001315	7001321	64 ml	4 VAC*	13 x 75	4200	2901
	Swing out	-	7001315	7001322	undrilled	-	-	4200	2901

*VAC(r): Blood tube with cap (bung).

**Sealed bucket part no. 7001315 accommodates a 100 ml glass tube without the need of an adapter.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

HEAD AND BUCKET REDUCERS

Reducers for head. Part No. **7001711**:

7001707 For 1 tube 50 ml (29 Ø x 103 mm).

7001708 For 1 tube 25 ml (24 Ø x 100 mm).

7001709 For 1 tube 30 ml (25 Ø x 92 mm).

7001710 For 1 tube 15 ml (16,5 Ø x 100 mm).

7001780 For 1 tube 10 ml (16 Ø x 80 mm).

7001781 For 4 tubes 7 ml (12 Ø x 100 mm).

7001782 For 4 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for bucket. Part No. **7001700**:

7001779 for 1 tube 85 ml (38 Ø x 112 mm).



High speed centrifuges with microprocessor control “Centronic BLT” and “Centrofriger BLT”



Versatile. Large range of rotors and adapters. Maintenance free induction motor drive.

Control panel features (see page 115).

External case of DUR-AL alloy with ABS plastic coated front AISI 304 stainless steel bowl.



Model “Centronic BLT”

MODEL

Part No.	Max. Volume ml	Max. number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001768	400	4 x 100 ml	34 41 54	440	22



NEW DESIGN

Model “Centrifriger BLT” refrigerated, temperature range -12 °C to 40 °C.

MODEL

Part No.	Max. Volume ml	Max. number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001769	400	4 x 100 ml	34 41 71	960	39

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7001670



7001324



7001706



7001702



7001325



7001323



7001671



7001672



7001673



7001408

With calculator reader

Part No. head	Rotor type	Max. volume	Tubes capacity	Ø x Length mm	CENTRONIC BL-II		CENTROFRIGER BL-II	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7001670	Angle+lid	270 ml	18 x 15 ml	16.5 x 100	4200	2669	4200	2669
7001706	Angle+lid	400 ml	8 x 50 ml	34 x 100	6000	3920	6000	3920
7001325	Angle+lid	500 ml	6 x 50 ml	29 x 103	6000	18844	6000	24204
7001324	Angle+lid	180 ml	6 x 30 ml	25 x 92	13500	15890	15300	20410
7001323	Angle+lid	100 ml	10 x 10 ml	16 x 80	13500	18335	15300	23550
7001671	Angle+lid	40.5 ml	18x0.25/0.5 ml + 18x1.5/2.2 ml	-	13500	15992	15300	20541
7001672	Angle+lid	60 ml	40 x 0.25/0.5 ml	-	13500	13298	15000	20120
7001673	Angle+lid	45 ml	30 x 1.5/2.2 ml	-	13500	19048	15000	23716
7001408	Angle+lid	Microhaematocrit	24	1.4 x 75	12000	15935	12000	15935
7001702	Angle PCR	6,4 ml	32 x 0.2 ml	-	12000	12500	12000	12500

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor Type	Part No. bucket	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)	
7001407	Swing out	7001700	-	-	400 ml	1 x 100 ml	44 x 104	5000	4137	
	Swing out	7000793	-	-	200 ml	1 x 50 ml	34 x 100	5000	4137	
	Swing out	7000794	-	-	100 ml	1 x 25 ml	24 x 100	5000	4137	
	Swing out	7000795	-	-	240 ml	4 x 15 ml	16.5 x 100	5000	4137	
	Swing out	7000796	-	-	140 ml	5 x 7 ml	12 x 100	5000	4137	
	Swing out	7000797	-	-	100 ml	5 x 5 ml	12.5 x 75	5000	3318	
	Swing out	7000930	-	-	240 ml	4 x 15 ml Falcon	16.5 x 120	5000	4109	
	Swing out	7000931	-	-	200 ml	1 x 50 ml Falcon	30 x 117	5000	4109	
	Swing out	7001073	-	-	16 VAC	4 VAC*	16 x 100	5000	4137	
	Swing out	7001074	-	-	16 VAC	4 VAC*	13 x 75	5000	3318	
	Swing out	7000798	-	-	undrilled	-	-	5000	4137	
	Swing out	-	7001315	100 ml glass tube**	-	400 ml	1 x 100 ml	44 x 104	5000	4137
	Swing out	-	7001315	7001316	-	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	-	7001315	7001317	-	100 ml	1 x 25 ml	24 x 100	5000	4137
	Swing out	-	7001315	7001318	-	240 ml	4 x 15 ml	16.5 x 100	5000	4137
	Swing out	-	7001315	7001319	-	140 ml	5 x 7 ml	12 x 100	5000	4137
	Swing out	-	7001315	7001320	-	100 ml	5 x 5 ml	12.5 x 75	5000	4137
	Swing out	-	7001315	7001321	-	64 ml	4 VAC*	13 x 75	5000	4137
	Swing out	-	7001315	7001322	-	undrilled	-	-	5000	4137

*VAC(r): Blood tube with cap.

**Sealed bucket part no. 7001315 accommodates a 100 ml glass tube without the need of an adapter.

Micro-haematocrit rotor comes with a box of 100 tubes and calculus graph.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

HEAD AND BUCKET REDUCERS

Reducers for head. Part No. 7001706:
7001707 For 1 tube 50 ml (29 Ø x 103 mm).
7001708 For 1 tube 25 ml (24 Ø x 100 mm).
7001709 For 1 tube 30 ml (25 Ø x 92 mm).
7001710 For 1 tube 15 ml (16,5 Ø x 100 mm).
7001780 For 1 tube 10 ml (16 Ø x 80 mm).
7001781 For 4 tube 7 ml (12 Ø x 100 mm).
7001782 For 4 tube 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001325:

7001791 For 1 tube 25 ml (24 Ø x 100 mm).
7001792 For 1 tube 30 ml (25 Ø x 92 mm).
7001793 For 1 tube 15 ml (16,5 Ø x 100 mm).
7001794 For 1 tube 10 ml (16 Ø x 80 mm).
7001795 For 2 tubes 7 ml (12 Ø x 100 mm).
7001796 For 2 tubes 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001324:
7001797 For 1 tube 15 ml (16,5 Ø x 100 mm).
7001798 For 1 tube 10 ml (16 Ø x 80 mm).

7001799 For 1 tube 7 ml (12 Ø x 100 mm).
7001800 For 1 tube 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001670:
7000700 For 1 tube 7 ml (12 Ø x 100 mm).
1001557 For 1 tube 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001323:
7001801 For 1 tube 5 ml (12,5 Ø x 75 mm).
Reducers for bucket. Part No. 7001700:
7001779 For 1 tube 85 ml (38 Ø x 112 mm).

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
	Swing out	7000731	7000732	7000734	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	7000731	7000732	7000735	200 ml	2 x 25 ml	24 x 100	5000	4137
	Swing out	7000731	7000732	7000736	420 ml	7 x 15 ml and VAC*	16.5 x 100	5000	4137
7009079	Swing out	7000731	7000732	7001647	240 ml	6 x 10 ml	17 x 110	5000	4137
	Swing out	7000731	7000732	7000737	336 ml	12 x 7 ml	12 x 100	5000	4137
	Swing out	7000731	7000732	7000738	240 ml	12 x 5 ml	12.5 x 75	5000	4137
	Swing out	7000731	7000732	7001648	140 ml	7 x 5 ml and VAC*	13 x 75	5000	4137
	Swing out	7000731	7000732	7000739	144 ml	12 x 3 ml	11 x 100	5000	4137
	Swing out	7000731	7000732	7000740	-	undrilled	-	5000	4137
7000609	Swing out	-	-	-	-	6 x 96 microtiter	-	4200	2702

*VAC: Blood tube with stopper.

** Bucket part nos. 7000731 and 7000732 accommodate 1 x 200 ml polypropylene bottle with cap without the need of an adapter.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.



Microprocessor controlled centrifuges “Meditronic BLT”, “Medifriger BLT”, “Macrotronic BLT” and “Macrofriger BLT”



COMMON FEATURES

Induction drive maintenance free motor.

Low noise level 50-60dBa.

Robust all metal construction:

-External case made from DUR-AL alloy.

-Internal bowl and top plate all stainless steel

-Internal steel safety chamber within the case.

Electronic circuits, microprocessor digital control of all parameters and functions: speed, acceleration, brake, RCF, temperature, timer, 10 program storage, automatic rotor recognition and alarm system.



Rotor identification head, when the centrifuge lid is closed the rotor communicates all the data of the functions of it. This prevents, before use, any risk of failure of using the wrong rotor in a program or exceeding the rotors running parameters. The advantage of this system is that we can add additional rotors to the range without changing the centrifuge model.

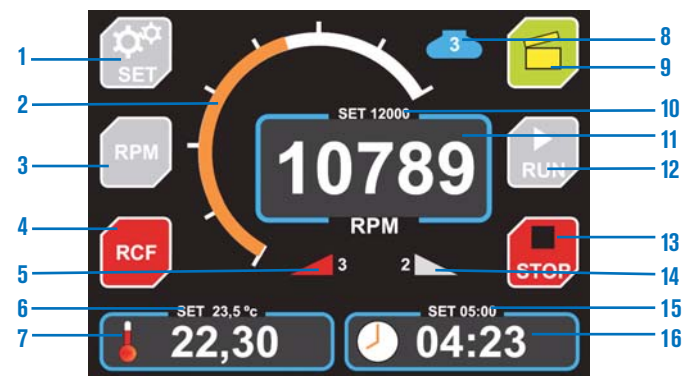
All Rotors, buckets and adapters are identified with an inalterable engraved laser code.

Air circulation system, for centrifuges without refrigeration to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Hermetically sealed compressor, mounted on anti-vibration mounts with re-circulating evaporator around the centrifuge chamber. (only applies to refrigerated centrifuges).

CONTROL PANEL

Touch screen



1. Enter parameters key.
2. Speed analog indicator .
3. RPM reading key.
4. RCF reading key.
5. Acceleration ramp programmed.
6. Temperature programmed. (refrigerated models only).
7. Reading the real time temperature. (refrigerated models only).
8. Rotor model in use.
9. Door opening key.
10. RPM or RCF programmed.
11. RPM or RCF real-time reading
12. Start process key.
13. Stop process key.
14. Programmed braking ramp.
15. Time set-up in process.
16. Elapsed time reading.



High speed centrifuges with microprocessor control “Meditronic-BLT” and “Medifriger-BLT”



Capacity up to 800 ml. Maintenance free induction motor drive.



Control panel features (see page 123).
External case made of DUR-AL alloy with an AISI 304 stainless steel bowl.

NEW DESIGN



Model “Meditronic-BLT”

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001476	800	4 x 200 ml	38 46 52	520	44

Model “Medifriger-BLT” refrigerated, temperature range -12 °C to 40 °C.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001477	800	4 x 200 ml	38 68 52	1230	70

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MEDITRONIC BL-S		MEDIFRIGER BL-S	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7000741	Angle+lid	600 ml	6 x 100 ml	44 x 104	4500	3170	4500	3170
7000742	Angle+lid	400 ml	8 x 50 ml	34 x 100	4600	3075	4600	3075
7000743	Angle+lid	360 ml	24 x 15 ml	16.5 x 100	4800	3761	4800	3761
7001449	Angle+lid	510 ml	6 x 85 ml	38 x 105	8000	6868	12000	15455
7001448	Angle+lid	400 ml	8 x 50 ml	29 x 103	8000	7802	12000	15938
7001447	Angle+lid	180 ml	6 x 30 ml	25 x 92	9000	7424	14000	17965
7001446	Angle+lid	200 ml	20 x 10 ml	16 x 80	9000	8964	11000	13390
7001445	Angle+lid	100 ml	10 x 10 ml	16 x 80	9000	7293	15000	20124
7001444	Angle+lid	45 ml	30 x 1.5/2.2 ml	-	11000	12619	15000	23470

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
	Swing out	7000731	7000732	Bottle 200 ml 5715202**	800 ml	1 x 200 ml	56.6 x 104	5000	4137
	Swing out	7000731	7000732	7000733	400 ml	1 x 100 ml	44 x 104	5000	4137
	Swing out	7000731	7000732	7000734	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	7000731	7000732	7000935	200 ml	1 x 50 ml Falcon	30 x 117	5000	4137
	Swing out	7000731	7000732	7001645	240 ml	2 x 30 ml	25 x 92	5000	4137
	Swing out	7000731	7000732	7000735	200 ml	2 x 25 ml	24 x 100	5000	4137
	Swing out	7000731	7000732	7000736	420 ml	7 x 15 ml and VAC*	16.5 x 100	5000	4137
7009079	Swing out	7000731	7000732	7000934	180 ml	3 x 15 ml Falcon	16.5 x 120	5000	4137
	Swing out	7000731	7000732	7001646	-	4 x 17 Ø x 110 mm	-	5000	4137
	Swing out	7000731	7000732	7001647	240 ml	6 x 10 ml	17 x 110	5000	4137
	Swing out	7000731	7000732	7000737	336 ml	12 x 7 ml	12 x 100	5000	4137
	Swing out	7000731	7000732	7000738	240 ml	12 x 5 ml	12.5 x 75	5000	4137
	Swing out	7000731	7000732	7001648	140 ml	7 x 5 ml and VAC*	13 x 75	5000	4137
	Swing out	7000731	7000732	7000739	144 ml	12 x 3 ml	11 x 100	5000	4137
	Swing out	7000731	7000732	7000740	-	undrilled	-	5000	4137
7000609	Swing out	-	-	-	-	6 x 96 microtiter	-	4200	2702

*VAC: Blood tube with stopper.

** Bucket part nos. 7000731 and 7000732 accommodate 1 x 200 ml polypropylene bottle with cap without the need of an adapter.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

HEAD REDUCERS

Reducers for head. Part No. 7000741:

- 7001770 For 1 tube 85 ml (38 Ø x 105 mm).
- 7001771 For 1 tube 50 ml (34 Ø x 100 mm).
- 7001772 For 1 tube 50 ml (29 Ø x 103 mm).
- 7001773 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001774 For 1 tube 30 ml (25 Ø x 100 mm).
- 7001775 For 3 tubes 15 ml (16,5 Ø x 100 mm).
- 7001776 For 3 tubes 10 ml (16 Ø x 80 mm).
- 7001777 For 7 tubes 7 ml (12 Ø x 100 mm).
- 7001778 For 7 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7000742:

- 7001707 For 1 tube 50 ml (29 Ø x 103 mm).
- 7001708 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001709 For 1 tube 30 ml (25 Ø x 92 mm).
- 7001710 For 1 tube 15 ml (16,5 Ø x 100 mm).

7001780 For 1 tube 10 ml (16 Ø x 80 mm).

- 7001781 For 4 tubes 7 ml (12 Ø x 100 mm).
- 7001782 For 4 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7001449:

- 7001783 For 1 tube 50 ml (34 Ø x 100 mm).
- 7001784 For 1 tube 50 ml (29 Ø x 103 mm).
- 7001785 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001786 For 1 tube 30 ml (25 Ø x 92 mm).
- 7001787 For 2 tubes 15 ml (16,5 Ø x 100 mm).
- 7001788 For 2 tubes 10 ml (16 Ø x 100 mm).
- 7001789 For 5 tubes 7 ml (12 Ø x 100 mm).

Reducers for head. Part No. 7001448:

- 7001791 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001792 For 1 tube 30 ml (25 Ø x 100 mm).

7001793 For 1 tube 15 ml (16,5 Ø x 100 mm).

- 7001794 For 1 tube 10 ml (16 Ø x 80 mm).
- 7001795 For 2 tubes 7 ml (12 Ø x 100 mm).
- 7001796 For 2 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7001447:

- 7001797 For 1 tube 15 ml (16,5 Ø x 100 mm).
- 7001798 For 1 tube 10 ml (16 Ø x 80 mm).
- 7001799 For 1 tube 7 ml (12 Ø x 100 mm).
- 7001800 For 1 tube 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7001445/7001446:

7001801 For 1 tube 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7000743:

- 7000700 For 1 tube 7 ml (12 Ø x 100 mm).
- 1001557 For 1 tube 5 ml (12,5 Ø x 75 mm).



Microprocessor controlled Centrifuge “Macrotronic-BLT” and “Macrofriger-BLT”



Multi-capability. Capacity from 1.5/2.2 ml vials up to tubes of 500 ml and 500ml blood bags.

Maintenance free induction motor drive.

Control panel features (see page 123).

External case made of DUR-AL alloy with an AISI 304 stainless steel bowl.

**NEW
DESIGN**



Model “Macrotronic-BLT”

Model “Macrofriger-BLT” refrigerated, temperature range -12 °C to 40 °C.

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001485	2000	4 x 500 ml	45 60 66	720	76

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001486	2000	4 x 500 ml	97 60 66	1230	156

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature Indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7000561



7000560



7001650



7001651



7001652



7001653



7001654

Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MACROTRONIC BL		MACROFRIGER BL	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7000561	Angle+lid	600 ml	12 x 50 ml	34 x 100	4530	3785	4530	3785
7000560	Angle+lid	840 ml	56 x 15 ml	16.5 x 100	4030	3268	4030	3268
7001650	Angle+lid	1500 ml	6 x 250 ml	62 x 122	8000	10373	9000	13129
7001651	Angle+lid	510 ml	6 x 85 ml	38 x 105	10000	10731	12000	15452
7001652	Angle+lid	400 ml	8 x 50 ml	29 x 103	10000	11066	12000	15935
7001653	Angle+lid	360 ml	12 x 30 ml	25 x 92	10000	12296	12000	17706
7001654	Angle+lid	200 ml	20 x 10 ml	16 x 80	10000	11066	12000	15935

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000745	Swing out	7000746	7000756	7001387	800 ml	1 x 200 ml	56.6 x 104	5000	4615
	Swing out	7000746	7000756	7001657	500 ml	1 x 125 ml	51 x 115	5000	4615
	Swing out	7000746	7000756	7000747	400 ml	1 x 100 ml	44 x 104	5000	4615
	Swing out	7000746	7000756	7001658	320 ml	1 x 80 / 85 ml	38 x 105	5000	4615
	Swing out	7000746	7000756	7000748	400 ml	2 x 50 ml	34 x 100	5000	4615
	Swing out	7000746	7000756	7000939	400 ml	2 x 50 ml Falcon	30 x 117	5000	4615
	Swing out	7000746	7000756	7001659	400 ml	2 x 50 ml	29 x 103	5000	4615
	Swing out	7000746	7000756	7001660	600 ml	5 x 30 ml	25 x 92	5000	4615
	Swing out	7000746	7000756	7000749	500 ml	5 x 25 ml	24 x 100	5000	4615
	Swing out	7000746	7000756	7000750	720 ml	12 x 15 ml	16.5 x 100	5000	4615
	Swing out	7000746	7000756	7000750	720 ml	12 VAC*	16.5 x 100	5000	4615
	Swing out	7000746	7000756	7000938	240 ml	4 x 15 ml Falcon	16.5 x 120	5000	4615
	Swing out	7000746	7000756	7001661	-	12 VAC*	13 x 75	5000	4615
	Swing out	7000746	7000756	7001662	480 ml	12 x 10 ml	16.8 x 85	5000	4615
	Swing out	7000746	7000756	7000751	560 ml	20 x 7 ml	12 x 100	5000	4615
	Swing out	7000746	7000756	7000752	400 ml	20 x 5 ml	12.5 x 75	5000	4615
	Swing out	7000746	7000756	7000753	240 ml	20 x 3 ml	11 x 100	5000	4615
	Swing out	7000746	7000756	7000754	120 ml	20 de 1.5 / 2.2 ml	-	5000	4615
Swing out	7000746	7000756	7000755	undrilled	-	-	5000	4615	

*VAC: Blood tube with stopper.

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

ACCESSORIES

Swing out rotor



7001450

Open bucket
1 blood bag



7001451

Adapters



7001395



7001655



7001396



7001397



7001398



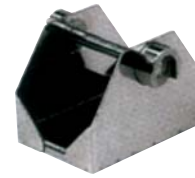
7001399



7001400



7001401



7001656

Bucket for
3 x 96 well plates

Part No. head	Rotor type	Bucket open	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7001450	swing out	7001451	7001395	2000 ml	1 x 500 ml	70 x 165	3200	2358
	swing out	7001451	7001655	1000 ml	1 x 250 ml	62 x 122	3200	2358
	swing out	7001451	7001396	800 ml	1 x 200 ml	56.6 x 104	3200	2358
	swing out	7001451	7001397	800 ml	2 x 100 ml	44 x 104	3200	2358
	swing out	7001451	7001398	800 ml	4 x 50 ml	34 x 100	3200	2358
	swing out	7001451	7001399	900 ml	9 x 25 ml	24 x 100	3200	2358
	swing out	7001451	7001400	1020 ml	17 x 15 ml	16.5 x 100	3200	2358
	swing out	7001451	7001401	672 ml	24 x 7 ml	12 x 100	3200	2358
	swing out	7001656	-	-	3 plates x 96 microtiter	-	3200	2117

Swing out rotor



7000552

Buckets



7000763



7001075



7000764

200 Height x 36 mm Ø
for buckets Part No. 7001075



7001088

158 Height x 58 mm Ø max.
for buckets Part No. 7000764



7000767

ASTM buckets
for testing
sediments in oil and
petroleum

Part No. head	Rotor type	Open Bucket	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
	swing out	7000763	1000 ml	1 x 250 ml	56 x 147	3520	3567
7000552	swing out	7001075	4 x 1 ASTM	1 x ASTM cylindrical	36 x 200	3720	3567
	swing out	7000764	4 x 1 ASTM	1 x ASTM pear shaped	58 x 158	3720	3567

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

HEAD REDUCERS

Reducers for head. Part No. 7001650:

- 7001803 For 1 tube 100 ml (44 Ø x 104 mm).
- 7001804 For 1 tube 85 ml (38 Ø x 105 mm).
- 7001805 For 1 tube 50 ml (34 Ø x 100 mm).
- 7001806 For 2 tubes 50 ml (29 Ø x 103 mm).
- 7001807 For 1 tube 50 ml (30 Ø x 117 mm).
- 7001808 For 3 tubes 30 ml (25 Ø x 92 mm).
- 7001809 For 7 tubes 15 ml (16,5 Ø x 100 mm).
- 7001810 For 7 tubes 10 ml (16 Ø x 100 mm).
- 7001811 For 12 tubes 7 ml (12 Ø x 100 mm).
- 7001812 For 12 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7001651:

- 7001783 For 1 tube 50 ml (34 Ø x 100 mm).
 - 7001784 For 1 tube 50 ml (29 Ø x 103 mm).
 - 7001785 For 1 tube 25 ml (24 Ø x 100 mm).
 - 7001786 For 1 tube 30 ml (25 Ø x 92 mm).
 - 7001787 For 2 tubes 15 ml (16,5 Ø x 100 mm).
 - 7001788 For 2 tubes 10 ml (16 Ø x 100 mm).
 - 7001789 For 5 tubes 7 ml (12 Ø x 100 mm).
 - 7001790 For 5 tubes 5 ml (12,5 Ø x 75 mm).
- ### Reducers for head. Part No. 7001652:
- 7001791 For 1 tube 25 ml (24 Ø x 100 mm).
 - 7001792 For 1 tube 30 ml (25 Ø x 100 mm).

7001793 For 1 tube 15 ml (16,5 Ø x 100 mm).

- 7001794 For 1 tube 10 ml (16 Ø x 80 mm).
 - 7001795 For 2 tubes 7 ml (12 Ø x 100 mm).
 - 7001796 For 2 tubes 5 ml (12,5 Ø x 75 mm).
- ### Reducers for head. Part No. 7001653:
- 7001797 For 1 tube 15 ml (16,5 Ø x 100 mm).
 - 7001798 For 1 tube 10 ml (16 Ø x 80 mm).
 - 7001799 For 1 tube 7 ml (12 Ø x 100 mm).
 - 7001800 For 1 tube 5 ml (12,5 Ø x 75 mm).
- ### Reducers for head. Part No. 7000560:
- 7000700 For 1 tube 7 ml (12 Ø x 100 mm).
 - 1001557 For 1 tube 5 ml (12,5 Ø x 75 mm).



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

CONTROLLABLE TEMPERATURES FROM 0 TO 35 °C.
CAPACITY FOR FLASKS UP TO 1000 ml AND ESPECIALLY FOR TRIPLE AND QUAD BLOOD BAGS FROM 500-800 ml.
MAXIMUM CAPACITY 12 BAGS.



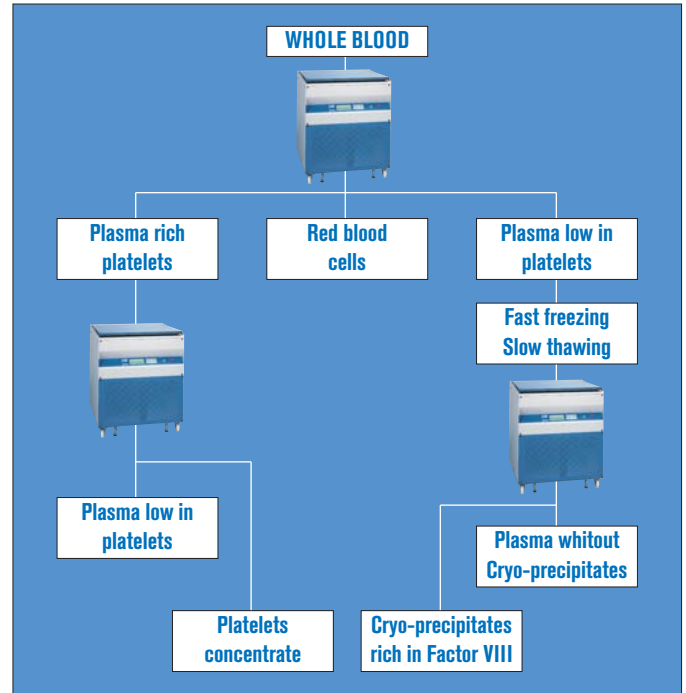
NEW DESIGN

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

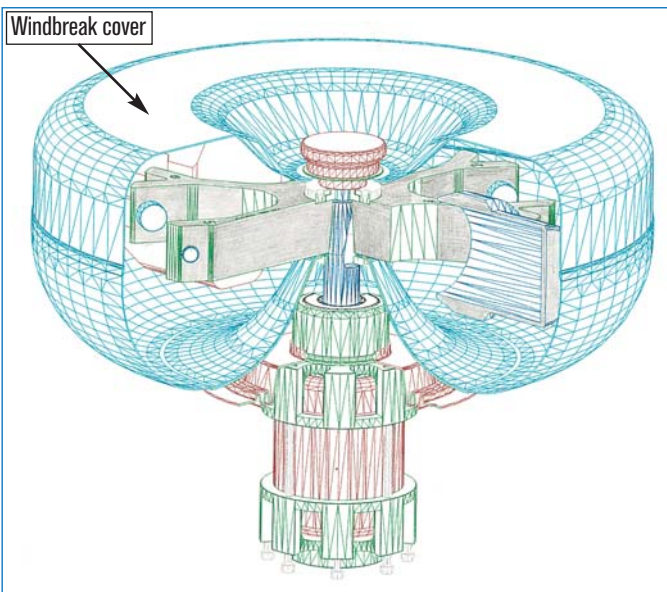


APPLICATIONS

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.



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

FEATURES

- Case: internal structure of tubular steel with lateral Dur-al supports.
- Internal Stainless steel bowl .
- Aluminium windbreak cover with detector and alarm sensor that prevents the centrifuge operation without it.
- 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 fluoro-carbons.
- Mounted on an anti vibration adjustable rubber feet.
- Microprocessor digital control of all functions: speed, acceleration, brake, R.C.F., temperature, time, 20 program memory, rotor identification, operation fault alarm.
- Digital indicator of the rotor and blood bag buckets operating hours.

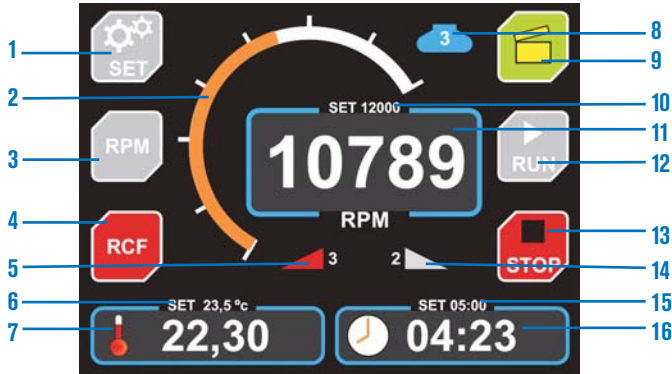
SAFETY:

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.

CONTROL PANEL

Touch screen



- 1. Enter parameters key.
- 2. Speed analog indicator .
- 3. RPM reading key.
- 4. RCF reading key.
- 5. Acceleration ramp programmed.
- 6. Temperature programmed. (refrigerated models only).
- 7. Reading the real time temperature. (refrigerated models only).
- 8. Rotor model in use.
- 9. Door opening key.
- 10. RPM or RCF programmed.
- 11. RPM or RCF real-time reading
- 12. Start process key.
- 13. Stop process key.
- 14. Programmed braking ramp.
- 15. Time set-up in process.
- 16. Elapsed time reading.



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

TECHNICAL SPECIFICATION

Maximum volume:	9600 ml
Maximum bucket volume:	1600 ml
Speed:	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 5370
Imbalance:	± 5 g
Accuracy:	4 g
Temperature range:	from -10 °C to 35 °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	6 x 1600 ml	105 96 96	5500	420



ACCESSORIES

Swing out rotor 6 place, treated steel.



Part No. **7001391**

Vasos y reductores intercambiables con señal de identificación. Autoclavables.



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	29/5370
-	-	Bottle 1000 ml 1001394	6000 ml	1 bottle 1000 ml or 1 bag	98 x 175	300/4070	29/5370
-	7001393	7001395	3000 ml	1 bottle 500 ml	70 x 165	300/4070	29/5370
-	Capacity	7001396	1200 ml	1 bottle 200 ml	56.6 x 104	300/4070	29/5370
-	without adapter:	7001397	1200 ml	2 tubes 100 ml	44 x 104	300/4070	29/5370
-	1 bag of	7001398	1200 ml	4 tubes 50 ml	34 x 100	300/4070	29/5370
-	500 to 800 ml	7001399	1350 ml	9 tubes 25 ml	24 x 100	300/4070	29/5370
-	or 1x bottle	7001400	1530 ml	17 tubes 15 ml	16.5 x 100	300/4070	29/5370
-	1000 ml	7001401	1008 ml	24 tubes 7 ml	12 x 100	300/4070	29/5370

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories. Other adapters can be manufactured to the customers specification.

COMPLEMENTS



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

FORCED AIR CIRCULATION.
FIXED TEMPERATURE +4 °C. STABILITY ±1.5 °C. RESOLUTION 1 °C.
SEVEN DAYS GRAPHIC TEMPERATURE REGISTER.
CAPACITIES FROM 90 TO 480 BLOOD BAGS.

FEATURES

See page. 81



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	2101497	319	110	139 48 45	198 60 64	360	1/4	5	98
Blood Bank B	2101498	442	150	126 58 55	198 70 71	360	1/4	5	111
Blood Bank C	2101499	600	200	136 58 69	207 70 82	350	3/8	5	115
Blood Bank D	2101500	1300	480	136 128 69	208 140 82	1100	3/8	10	190

Comes complete with steel shelves, PVC laminated.

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
250	62 Ø x 122	Comecta	5752395	Polypropylene	13200	4 ... 121
		Herolab	5753411	Polypropylene	33000	-180 ... 145
		Herolab	5753401	Polycarbonate	33000	-150 ... 121
500	70 Ø x 165	Herolab	5753512	Polypropylene	14000	-180 ... 145
		Herolab	5753501	Polycarbonate	14000	-150 ... 121
1000	98 Ø x 175	Herolab	5752571	Polypropylene	4936	-180 ... 145
		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. 7001403 15 ml plastic	Part No. 7001500 15 ml metal	Part No. 7005000 50 ml metal	Part No. 7001000 100 ml metal
Cencom II	Yes			
Part No. 7002240				
Centro-8		Yes		
Part No. 7002356				
Centromix II-BL		Rotor		
Part No. 7002555		7000550		
Meditronic BL-S		Rotor	Rotor	Rotor
Part No. 7001376		7000743	7000742	7000741
Medifriger BL-S		Rotor	Rotor	Rotor
Part No. 7001377		7000743	7000742	7000741
Macrotronic BL		Rotor	Rotor	
Part No. 7001385		7000560	7000561	
Macrofriger BL		Rotor	Rotor	
Part No. 7001386		7000560	7000561	

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





Centrifuge kit for separating plasma rich platelets from whole blood

MADE UP OF:



Centrifuge "CENTRO-4-BL"

Swing-out rotor (not an angle rotor), that performs the correct separation of the distinct blood fractions.

Capacity: 4 tubes, 75 x 13 mm VAC tubes.

Electronic control with digital display. Maximum speed of 5000 r.p.m. Maximum time 15 minutes or continuous operation. Fixed acceleration and deceleration rate.

Strong moulded external case of ABS plastic, extremely light weight, (6 Kg). Part No. **7002560**



Metallic thermostat dry block "BIO-BATH"

Small size with a fixed temperature of 37 °C with check thermometer, 8 tube positions for 75x13 VAC tubes.

Note: Reduces the waiting time for the patient.

MODEL

Part No.	Height / Width / Depth (exterior) cm	Stability °C	Power W	Weight Kg
7001561	8.8 9.6 7	0.5	8	0.5



Part No. **5904013** Pipette fixed volume "Dispen-Fix" 50 µl

Part No. **5904014** Pipette fixed volume "Dispen-Fix" 100 µl

Part No. **5904017** Pipette fixed volume "Dispen-Fix" 500 µl

Part No. **1001562** Support rack made from stainless steel for 3 pipettes

Part No. **1001563** Tube rack made from stainless steel for 24 tubes (6x4) of 75x13 mm VAC tubes.

Part No. **1001574** Flask containing 10% calcium chloride, quantity 30 units. 10 ml. per flask.

Part No. **1001568** Strap bracelets of pure silicon "Esmarch". 3 units.



1 Part No. **1001558** Pipette tips, sterile with filters packed as individual tips, size 5-200 µl, and quantity 250 units.*

1 Part No. **1001559** Pipette tips, sterile with filters packed as individual tips, size 100-1000 µl, and quantity 250 units.*

2 Part No. **1001565** Tubes VE Sodium citrate 75x13mm VAC tubes, blue 4 ml sterile tubes. Box of 100 units.

2 Part No. **1001566** Tubes 75x13 mm sterile, 100 units in bags of 4 units.

3 Part No. **1001567** Micro extractor for the extraction of blood by vacuum. Box of 50 units. Complete with two adapters.

Note: * All above components are individually sterilized.
If aseptic conditions are required a laminar flow cabinet should be used for sample manipulation.



Part No. **5900499** Timer alarm bench top "RELAVIS" 0-60 minutes.



J.P. SELECTA has designed an effective small centrifuge and thermostat dry block that is suitable for easy transportation for consultants, emergency services, reception labs and clinical trials etc. To maintain the complete kit, a robust metallic case with moulded interior is provided. The complete kit comprises of:

1 centrifuge "Centro-4", 1 metallic thermostat dry block "Bio-Bath", mains cables, 3 fixed volume pipettes "Dispen-Fix", 1 rack 24 tubes, 1 timer "Relavis", and 2 boxes for consumables, tubes, tips, microprecursors, strips and flasks. In the lid are clip positions for easy access for the pipette rack and 3 pipettes. Total weight with all items: 11.5Kg.

Part No. **1001570** Metallic case with moulded compartments Armaflex, two perspex boxes for tubes and consumable Clips for pipette support.