

HAEMATOLOGY. Blood bank instrumentation



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Horizontal shakers for platelet bags “APL-54” and “APL-108”

HORIZONTAL MOVEMENT AT A FIXED SPEED OF 66 R.P.M., LATERAL SHUFFLE OF 40 MM.

MODEL “APL-54”: CAPACITY FOR 54 PLATELET BAGS.

MODEL “APL-108”: CAPACITY FOR 108 PLATELET BAGS.

NEW



Platelet bags constant shaking for long periods of time.



FEATURES

Epoxy covered case with treated aluminium platform with AISI 304 stainless steel racks for bags.

Stirring automatic restart in 30 seconds and pause device for bags handling.

Acoustic alarm in case of power failure.

LCD display informing of the events log: it counts the number of power failures and their duration.

When power is restored, the device automatically restarts the stirring.

CONTROL PANEL

Single button to adjust:

-Date and time programming.

-Shaking stop button for 30 seconds.

-Alarms reset.

-Moving to review the number of incidences.

-Shaker stop time programming.

MODELS	Part No.	N° of Shelves	Capacity bags	Height / Width / Depth Cm.	Power W	Voltage V	Weight Kg
APL-54	3000980	9	54	40 44 39	50	230	22
APL-108	3000981	18	108	40 84 38	50	230	35

It can be supplied for 110 V- 60 Hz on demand.



Incubation chamber “PLX-IN”

FOR PLATELET BAGS “APL-54” SHAKING, CAPACITY 54 PLATELET BAGS.

FOR REGULABLE TEMPERATURES FROM 18 °C UP TO 60 °C.

RESOLUTION 0,1 °C. STABILITY $\pm 0,1$ °C. HOMOGENEITY $\pm 0,5$ °C. SET ERROR $\pm 0,3$ °C.

Peltier effect. No compressor group. Quiet, vibrations free, high accuracy and low consumption.

FEATURES

Made of transparent methacrylate with swinging door that allows an easy access to the working area and an inside chamber view during bags shaking.

AISI 304 stainless steel lower base.

Auto shut-off protective device in case of door opening and automatic restart in 30 seconds.

CONTROL PANEL

Start-up main switch with digital temperature regulation.

MODEL

Part No.	Height / Width / Depth (exterior) cm	Height / Width / Depth (interior) cm	Power w	Weight Kg
3000958	44 63 65	33 60 50	360	38

It can be supplied for 110 V- 60 Hz on demand.

NEW



Note: For a correct bag preservation, it is recommended to keep a temperature between 20 and 24 °C.

Incubation chamber “PLX-IN” Part No. 3000958 with “APL-54” shaker Part No. 3000980



Platelet bags incubated cabinets “Blood Bank” E and F

EXCLUSIVE DESIGN ADAPTED TO ACCOMODATE PLATELET BAGS STIRRERS “APL”.
 FORCED AIR CIRCULATION.
 FIXED TEMPERATURE AT +20 °C. STABILITY $\pm 1,5$ °C. RESOLUTION 1 °C.
 SEVEN DAYS GRAPHIC TEMPERATURE REGISTER.

NEW



SAFETY:

LOW TEMPERATURE THERMOSTAT LIMITER.

VISUAL AND ACOUSTIC INDICATORS: EXCESSIVE LOW TEMPERATURE (+18 °C), EXCESSIVE HIGH TEMPERATURE (+24 °C), OPEN DOOR, MAINS FAILURE AND BATTERY FAILURE.

TEMPERATURE GRAPHIC REGISTER. 7 DAYS RECORDER, AUTONOMY 6 MONTHS.

ACOUSTIC ALARM ON ALL FAIL CONDITIONS. ACOUSTIC INDICATOR.



Model E



Model F

APPLICATIONS

Storage cabinet specially designed for platelet bags preservation.

COMMON FEATURES

- AISI 304 stainless steel external cabinet and internal lining.
- Double glazed door, reversible lockable door, easy to change, with automatic feed-back mechanism and manual locking.
- Hermetically sealed compressor mounted on antivibration settlement with forced type evaporator and ventilated type condenser.
- Shelves and supports in steel PVC laminated.
- 2 power outlet base for model “Blood-Bank E” max. power 500 W
- 6 power outlet base for model “Blood-Bank F” max. power 500 W
- Inner air circulation for a more temperature homogeneity.
- Refrigerant R134a.
- Temperature sensors located in similar conditions to platelet bags.
- Circular graphic register built-in.
- Microprocessor temperature control that allows configuration and visualization of the following parameters by means of the display:
 - Entry code.
 - External alarm signal.
 - SET adjustment.
 - Alarm adjustment.
 - Calibration.

CONTROL PANEL

1. Digital display
2. Battery life indicator.
3. Open door indicator.
4. Mains failure indicator.
5. Increase value button.
6. Decrease value button.
7. Validate / RESET alarm.
8. Seven days graphic register.



OPTIONAL COMPLEMENT

Alarm messages transmission

Automatic transmission system of alarm or incident SMS messages by using a GSM module SIM card activated. Ability to connect up to 2 phones.

GSM Module. Part No: **2101622**



MODELS	Part No.	Capacity litres	Capacity stirrers	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Power HP	Number of shelves	Weight Kg
Blood Bank E	2101509	600	2 x APL-54	136 58 69	207 70 82	350	3/8	2	115
Blood Bank F	2101510	1300	4xAPL-54 o 2xAPL-108	136 128 69	208 140 82	1100	3/8	2	190

They are supplied with trays.



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.



SAFETY:

ALARMS SYSTEMS VISUAL AND ACOUSTIC: LOW TEMPERATURE (+2°C), OVER TEMPERATURE (+6°C), DOOR OPEN, MAINS FAILURE AND BATTERY FAILURE. INDEPENDENT BATTERY BACKUP GRAPHIC TEMPERATURE REGISTER. 7 DAY RECORDER, AUTONOMY 6 MONTHS. ACOUSTIC ALARM ON ALL FAIL CONDITIONS. REMOTE ACOUSTIC ALARM.



Models A and B with optional drawer rack.



Model C



Model D

APPLICATIONS

AISI 304 storage cabinets specifically designed and manufactured for blood bag storage.

COMMON FEATURES

Stainless steel. AISI 304. external cabinet and interior lining.
 Double glazed antimist, reversible lockable door, easy to change, self close door if left ajar. Hermetically sealed compressor mounted on shock absorbers with evaporator and forced air condenser.
 Fan air circulation maintaining homogeneous temperature distribution.
 Refrigerant R134a.
 Temperature sensors are located and calibrated to read simulated blood bag conditions.
 Independently powered circular graphic register.
 Microprocessor controlled temperature control via a display that can configure the following parameters:
 - Open code.
 - Activate external alarm.
 - Adjust SET.
 - Adjust alarm.
 - Calibration.

CONTROL PANEL

1. Digital display
2. Battery life indicator.
3. Open door indicator.
4. Mains failure indicator.
5. Increase value button.
6. Decrease value button.
7. Validate / RESET alarm.
8. Seven days graphic register.



OPTIONAL COMPLEMENT

Alarm messages transmission

Automatic transmission system of alarm or incident SMS messages by using a GSM module SIM card activated. Ability to connect up to 2 phones.

GSM Module. Part No: 2101622



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.



Models A and B with optional rack system.

OPTIONAL ACCESSORIES.

Metallic drawers, to be ordered separately.

Modular rack system of drawers, divided into compartments and subdivided by plastic dividers for different bag classification, bags are placed upright longitudinal.

Blood Bank A,

System of 5 drawers of 18 bags per drawer. Capacity 90 bags.

Part No **1001501**

Blood Bank B,

System of 5 drawers of 30 bags per drawer. Capacity 150 bags.

Part No. **1001502**

Blood Bank C,

System of 5 drawers for 40 bags per drawer. Capacity 200 bags.

Part No. **1001503**

Blood Bank D,

System of 12 drawers (6 in each compartment) for 40 bags per drawer. Capacity 480 bags.

Part No. **1001504**



Detailed image of the drawers with dividers.

SPARE PARTS

Brackets and shelves

For Bloodbank code	2101497	2101498	2101499 / 2101500
Brackets - 4 units	1001801	1001801	1001801
Shelves	1001804	1001805	1001806

Each shelf requires 4 brackets.

COMECTA Shaking monitor for blood collection "HEDO2" FOR BAGS BLOOD COLLECTION PROCESSES. SWINGING PLATFORM.

FEATURES

HEDO2 is a digital blood collection monitor, created to control and monitoring blood collection processes. It has been designed to perform simple, precise and accurate operations.

It is composed of:

- Easily removable tray.
- Wired or wireless interface networking.
- Automatic clamp closing at the end of the donation.
- Automatic tare calculation.
- Real time monitoring of the donation showed on the digital display.
- Stand alone mode (operating with rechargeable battery). 8 hours life.
- Tube sensor presence.

Power supply: 110-220V / 50-60 Hz.

MODEL

Part No.	Max weight Capacity g	Precision g	Resolution g	Height / Width / Depth (external) cm	Power W	Weight Kg
5010000	999	± 3	1	19 32 32	60	5

It is supplied with a transport suitcase.



ACCESSORIES

Wireless data transfer Hedo-2. Part No. **5010001**

Wireless connection module Hedo-2. Part No. **5010002**

Barcode reader Hedo-2. Part No. **5010003**

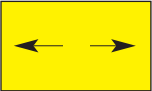
Alarm lamp pool Hedo-2. Part No. **5010004**



Plasma bags defrost baths and temperature controllers for red cells packed "Unitronic-OR"

"UNITRONIC-OR-4" CAPACITY FOR 4 BAGS.
 "UNITRONIC-OR-12" CAPACITY FOR 12 BAGS.
 SHAKING SPEED, TIME AND TEMPERATURE DIGITAL ELECTRONIC REGULATION.
 FOR REGULABLE TEMPERATURES FROM AMBIENT +5 UP TO 36 °C.
 STABILITY ± 0,05 °C. HOMOGENEITY ± 0,1 °C. SET TEMPERATURE ERROR ± 1 °C. RESOLUTION 0,1 °C.

NEW



SAFETY:
 NORMA DIN 12879.0. SAFETY THERMOSTAT ADJUSTABLE WITH MANUAL RESET
 FOR SWITCHING THE BATH OFF IN CASE OF OVERTEMPERATURE.

Regulable reciprocal shaking from 10 to 70 oscillations per minute

Controllable time from 1 minute up to 99 hours 59 minutes. End of cycle acoustic alarm



FEATURES

Linear motion shaking tray from 10 to 100 oscillations per minute, with a variable stroke length of 32 or 46 mm.
 Digital selection and reading of temperature, speed and time.
 Temperature sensor: Pt 100 thermo-resistant.
 RS-232 outlet for parameter's reading and printing in a computer.
 External case of AISI 304 stainless steel.
 Internal tank with an AISI 304 stainless steel rack for the correct accommodation of plasma bags.
 Drain tap built-in.

CONTROL PANEL

1. Main switch selector.
2. LCD screen that shows:
 - Temperature, oscillations and time.
 - Alarms: probe and temperature failure.
 - Configuration: °C or °F, calibration and working limits.
3. Start / Stop button.
4. Parameter value decrease button.
5. Parameter value increase button.
6. Temperature, oscillations and time selector button.
7. Configuration button.



MODELS	Part No.	Bags capacity	Height / Width / Depth (exterior) cm	Power W	Weight Kg
OR-4	3001250	4	40 54 44	1500	25
OR-12	3001251	12	40 74 44	2000	34



Blood bags tube automatic sealer "Sealcom-B"

FOR TUBES FROM Ø 3 TO 6MM.



FEATURES

Metal epoxy covered external case.
 AISI 304 stainless steel sealing head.
 A microprocessor provides an automatic sealing by dielectric heating when inserting part of the tube in the piston.
 Sealing time from 1 to 2 seconds.

CONTROL PANEL

Main switch, with light indicator.
 Light indicating operation, sealing and end of sealing.

MODEL	Part No.	Sealing width mm Ø	Height / Width / Depth (exterior) cm	Power sealing W	Weight Kg
	5800060	3 to 6	15 16 34	400	7



Manual plasma extractor "PR-B"

EASY TO USE
 MANUAL SYSTEM THAT ACCEPTS ALL KINDS OF PLASMA BAGS.
 TRANSPARENT PLATFORM FOR VISUAL CONTROL OF THE PLASMA.
 STAINLESS STEEL AISI 304 CABINET.



NEW

MODEL	Part No.	Height / Width / Depth (exterior) cm	Weight Kg
	5800061	25 17 30	2,6