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Incubation chamber  page  79
Platelet bags incubator cabinets  page  80
Blood bank refrigerated cabinets  pages  81 to 82
Shaking monitor  page  82
Plasma bags defrost baths  page  83
Automatic sealer and plasma extractor  page  83
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.

---

**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 programation.
- - Shaking stop button for 30 seconds.
- - Alarms reset.
- - Moving to review the number of incidences.
- - Shaker stop time programation.

**Models**

<table>
<thead>
<tr>
<th>Models</th>
<th>Part No.</th>
<th>No. of Shelves</th>
<th>Capacity bags</th>
<th>Height / Width / Depth (cm.)</th>
<th>Power W</th>
<th>Voltage V</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>APL-54</td>
<td>3000980</td>
<td>9</td>
<td>54</td>
<td>40 / 44 / 39</td>
<td>50</td>
<td>230</td>
<td>22</td>
</tr>
<tr>
<td>APL-108</td>
<td>3000981</td>
<td>18</td>
<td>108</td>
<td>40 / 84 / 38</td>
<td>50</td>
<td>230</td>
<td>35</td>
</tr>
</tbody>
</table>

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 ºC UP TO 60 ºC.**

**RESOLUTION 0,1 ºC. STABILITY ±0,1 ºC. HOMOGENEITY ±0,5 ºC. SET ERROR ±0,3 ºC.**

---

**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**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Height / Width / Depth (exterior cm)</th>
<th>Height / Width / Depth (interior cm)</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000958</td>
<td>44 / 63 / 65</td>
<td>33 / 60 / 50</td>
<td>360</td>
<td>38</td>
</tr>
</tbody>
</table>

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

---

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

---

**Haematology**

NEW

NEW

NEW
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 ±1.5 °C. RESOLUTION 1 °C.
SEVEN DAYS GRAPHIC TEMPERATURE REGISTER.

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.

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 feedback 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 up to 2 phones.
GSM Module. Part No: 2101622

MODELS
<table>
<thead>
<tr>
<th>Models</th>
<th>Part No</th>
<th>Capacity (litres)</th>
<th>Capacity stirrers</th>
<th>Height / Width / Depth (interior) cm</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Power W</th>
<th>Power HP</th>
<th>Number of shelves</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Bank E</td>
<td>2101509</td>
<td>600</td>
<td>2 x APL-54</td>
<td>136 / 58 / 69</td>
<td>207 / 70 / 82</td>
<td>350</td>
<td>3/8</td>
<td>2</td>
<td>115</td>
</tr>
<tr>
<td>Blood Bank F</td>
<td>2101510</td>
<td>1300</td>
<td>4 x APL-54 &amp; 2 x APL-108</td>
<td>136 / 128 / 69</td>
<td>208 / 140 / 82</td>
<td>1100</td>
<td>3/8</td>
<td>2</td>
<td>190</td>
</tr>
</tbody>
</table>

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.

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 antistat, 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.

MODELS
<table>
<thead>
<tr>
<th>MODELS</th>
<th>Part No.</th>
<th>Capacity</th>
<th>Capacity</th>
<th>Height / Width / Dept (interior) cm</th>
<th>Height / Width / Dept (exterior) cm</th>
<th>Power W</th>
<th>Power HP</th>
<th>Number of shelves</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood Bank A</td>
<td>2101487</td>
<td>319</td>
<td>110</td>
<td>139 48 45</td>
<td>198 60 64</td>
<td>360</td>
<td>1/4</td>
<td>5</td>
<td>98</td>
</tr>
<tr>
<td>Blood Bank B</td>
<td>2101498</td>
<td>442</td>
<td>150</td>
<td>126 58 55</td>
<td>198 70 71</td>
<td>360</td>
<td>1/4</td>
<td>5</td>
<td>111</td>
</tr>
<tr>
<td>Blood Bank C</td>
<td>2101499</td>
<td>600</td>
<td>200</td>
<td>136 58 69</td>
<td>207 70 82</td>
<td>350</td>
<td>3/8</td>
<td>5</td>
<td>115</td>
</tr>
<tr>
<td>Blood Bank D</td>
<td>2101500</td>
<td>1300</td>
<td>480</td>
<td>136 128 69</td>
<td>208 140 82</td>
<td>1100</td>
<td>3/8</td>
<td>10</td>
<td>190</td>
</tr>
</tbody>
</table>

Comes complete with steel shelves, PVC laminated.

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 A and B with optional drawer rack. Model C Model D
**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

**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**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Max weight</th>
<th>Precision</th>
<th>Resolution</th>
<th>Height / Width / Depth (external) cm</th>
<th>Power W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>5010000</td>
<td>999</td>
<td>±3</td>
<td>1</td>
<td>19 32 32</td>
<td>60</td>
<td>5</td>
</tr>
</tbody>
</table>

It is supplied with a transport suitcase.

**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.

**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 ºC.
STABILITY ± 0.05 ºC. HOMOGENEITY ± 0.1 ºC. SET TEMPERATURE ERROR ± 1 ºC. RESOLUTION 0.1 ºC.

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
<table>
<thead>
<tr>
<th>MODELS</th>
<th>Part No.</th>
<th>Bags capacity</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Power</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>OR-4</td>
<td>3001250</td>
<td>4</td>
<td>40 54 44</td>
<td>1500</td>
<td>25</td>
</tr>
<tr>
<td>OR-12</td>
<td>3001251</td>
<td>12</td>
<td>40 74 44</td>
<td>2000</td>
<td>34</td>
</tr>
</tbody>
</table>

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.

MODELS
<table>
<thead>
<tr>
<th>MODEL</th>
<th>Part No.</th>
<th>Sealing width mm Ø</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Power sealing W</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>5800060</td>
<td>3 to 6</td>
<td>15 16 34</td>
<td>400</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

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.

MODELS
<table>
<thead>
<tr>
<th>MODEL</th>
<th>Part No.</th>
<th>Height / Width / Depth (exterior) cm</th>
<th>Weight Kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>5800061</td>
<td>25 17 30</td>
<td>2.6</td>
<td></td>
</tr>
</tbody>
</table>