

# Blood Bank Equip



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## BLOOD BAG TUBE SEALER

ATL Model ATL -01 equipment to seal the blood bag tube By high frequency dielectric heating system. The sealing can be achieved in less then 1.5 seconds per tube by simple operation.

Complete sealing of the blood bag tube is annexure by high frequency dielectric heating. Sealing of each tube takes approx 1.5 seconds and is thus very efficient. Pulling the sealing section to both sides can readily cut off sealed tube.



### ►► SPECIFICATION

Name of the equipment	Blood Bag Tube Sealer
Model no.	ITS-02
Oscillation Frequency	40.68 MHz
Radio Frequency output	15W
Sealing time	Approx 1.5 sec.
Input Volt	230V AC
Power Frequency	50Hz
Power Consumption	100 V A
Weight	2.5 Kg approx

### ►► Blood Collection Monitor

ATL Blood Collection Monitor is a compact unit that provide safe and smooth action to ensure Mixing of Blood and Anticoagulant without damaging Blood Cells during collection of Blood from a donor.

### ►► SPECIAL FEATURES

- Volume can be set 1ml increment.
- Facility of pausing during collection and also can change preset volume.
- Micro controller based program to give better accuracy  
Auto tare facility.
- Motorised pinching system at the end of collection to prevent excess blood from the desired volume.
- Facility to check, set volume, gram and time totalizer during collection.
- Audio video alarm if the flow is less than 15 ml/min and Audio Alarm at the end of collection.



## ▶▶ TECHNICAL SPECIFICATION

CATALOG NO.	BCM-01	BCM-02
1) Input Voltage	230V AC	230V AC (SMPS)
2) Oscillation Speed	12 RPM+- 2	12 RPM+- 2
3) Display	Red Led	Red Led
4) Alarm	Audio Visual	Audio Visual
5) Battery Backup	-----	7 to 10 Hrs.

## ▶▶ Donor Couch

ATL Dual Motorized Donor Couch is designed to provide a comfortable position for the Donor. Donor's position can be easily shift by micro motion at your will with the touch of a button in remote wand.

## ▶▶ Special Features

- Based on Haemo Dynamic Principles.
- Tilt adjustment can be done by corded remote control
- Heavy duty Imported gear motor
- Individual motor for leg and head position adjustment.



## ▶▶ Data Logger (Central Monitoring System)

ATL Data Logger is available in both version 8 Channel and sixteen Channel. It is specially designed for reading, printing and monitoring of data from number of instruments in Blood Bank, these instrument not only display and monitor from different instrument connected to it but also stores a data in the memory and print them whenever you need the report. These instruments generate the report in both numeric and graphical format.

## ▶▶ Special Features

- Used latest micro controller based technology for better accuracy
- Easy on line field calibration for user by front panel membrane
- keypad.
- Automatic wire length compensation for long sensor.
- Field programmable channel scan time 1 to 59 sec. Logging interval 1 to 9999 sec and printing interval 5 to 9999 sec.



## ▶▶ Optional

- RS-232/ RS-485 Serial port with MODBUS RTU Protocol output.
- Parallel port for direct printout on 24/80 column printer without need of computer.
- DATA LOG windows based data acquisition software for real time graph, History data.

## ▶▶ BLOOD BANK REFRIGERATOR

ATL Dual Motorized Donor Couch is designed to provide a comfortable position for the Donor. Donor's position can be easily shift by micro motion at your will with the touch of a button in remote wand.

### ▶▶ Other features of this unit include:

- Micro Controlled Temperature controller with Audio Visual Alarm for High & Low Temperature.
- Heavy Duty Stainless Steel Racks.
- Extra-strength non CFC refrigeration System
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF(Poly Urethane Foam) Insulation to ensure Temperature stability and save power consumption.



## ▶▶ TECHNICAL SPECIFICATION

Model	BBR~60	BBR~150	BBR~240	BBR~300	BBR~425	BBR ~900
Temperature	4.0 °C	4.0 °C	4.0 °C	4.0 °C	4.0 °C	4.0 °C
Accuracy	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C	±0.5 °C
Size (WxDxH)	40x36x63	50x51x83	58x50x120	64x60x102	64x66x143	128x66x143
Volume	90 ltrs.	210 ltrs.	350 ltrs.	390 ltrs.	600 ltrs.	1200 Ltr
No. of Baskets	Three	Four	Five	Five	Seven	fourteen
Blood bags (Aprox.)	60/350 ml.	150/350 ml.	240/350 ml.	300/350 ml.	425/350 ml.	900/350 ml.
Operating Voltage	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC

## ▶▶ PLATELET INCUBATOR & AGITATOR

ATL Platelet Incubator provides an ideal Storing environment for the Platelets. This unit Designed to maintain a stable and uniform temperature of 22.0°C, The user-friendly design includes an acrylic inner door, and see through outer door, simple calibration is possible via the control panel.

### ▶▶ Other features of this unit include:

- Micro Controlled Temperature controller with Audio Visual Alarm for high & Low Temperature.
- Display of Set and Process value
- Extra-strength non CFC refrigeration System
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability and save power consumption.



- ATL Platelet agitator specially designed to maintain Platelet in continues motion at a fixed speed of 70 RPM.
- It has 8 trays which have maximum 48 standard Platelet bags can be accommodate at a time.
- Robust motorized slide for effective 24x7 continuous jerk free agitation.

## ▶▶ PLATELET INCUBATOR & AGITATOR

ATL Plasma Freezer Provides an ideal freezing environment for the preservation of Plasma bags and test samples. This unit Designed to maintain a stable and uniform temperature of up to -40.0°C and - 80.0°C and available in Vertical & Horizontal with four different sizes. The user-friendly design includes a built-in Stainless steel insulated inner door, and simple calibration is possible via the control panel. This coupled with a visual and audible alarm system, ensures that your samples are both safe and secure.



## ▶▶ Other features of this unit include:

- Micro Controlled Temperature controller with Audio Visual Alarm for high & Low Temperature.
- Display of Set and Process value.
- Extra-strength non CFC refrigeration System.
- The unit is mounted on castor wheel for easy mobility.
- CFC Free PUF (Poly Urethane Foam) Insulation to ensure temperature stability and save power consumption.

## ▶▶ Accessories\*

7 Days circular Temperature Recorder. Multi Channel Data logging system.

TTS-02

Model no.	APF -75/H	APF -135 /H	APF -245/H
Volume	90 Liters	170 Liters	300 Liters
Inner Dim (WxDxH)	52x38x46cms	60x40x72 cms	95x40x76 cms

Model no.	APF -75/H	APF -135 /V	APF -245/V	APF -245/V
Volume	90 Liters	170 Liters	290 Liters	350 Liters
No. of Baskets	2	4	4	6
Inner Dim (WxDxH)	4 2x38x57cms	50x43x85cms	58x50x102cms	58x51x120cms

## ▶▶ LAMINAR FLOW BENCH

ATL Laminar Flow Bench is designed to provide working space comprising as standard futures HEPA filter having efficiency of 99.997% down to 0.3% microns, pre filter 90% down to 5 microns, suitable motor blowing assemblies, Stainless Steel working table top, side acrylic panel, Florescent tube light and Pressure differential Manometer. The instrument is available in both version Vertical and Horizontal

## ▶▶ TECHNICAL SPECIFICATION



Model No	LFB -2 And LFB -2	LFB -3 And LFB -3	LFB -4 And LFB -4
Working Area	2x2x2 ft	3x2x2 ft	4x2x2 ft
Size of filter	2x2x6 ft	2x2x6 ft	2x2x6 ft
HEPA Filter(with unit)	1 No.	1 No.	1 No.
Pre -Filter(with unit)	1 No.	1 No.	1 No.
Fluorescent Tube	1 x 20 Watts	2 x 20 Watts	2 x 40 Watts
U.V.Tube	2 feet(1 Nos)	3 feet(1 Nos)	4 feet(1 Nos)

## ▶▶ REFRIGERATED CENTRIFUGE

ATL Micro Controller Based Blood Bank Refrigerated Centrifuge:-	
Features	Fully Automatic with Coloured Touch Screen
Memory	Programmable Memory with tamper proof facility.
Rotor Bucket	With Metal Buckets, Suitable adapters for 6 or 12 blood bags. Removable plastic cups to hold all type of blood bags.
Centrifugal force	Minimum ceiling – 5000g , RPM : 3000 rpm .
Maximum speed	Micro processor controlled rotor speed to within 10 rpm of set value. Acceleration/deceleration profiles available.
Temperature Range	4°C to 30°C LC: 0.5C, Micro processor controlled rotor 0 temperature within 1 C regardless of the centrifuge speed.,
Programmable Time	0 – 99 minutes with minimum revolution of 1 minute.
Operation	Soft Key Operation – fully programmable.
Digital Display	Digital Display of temperature, speed (rpm), time & g Value. No. of digit resolution etc.

▶▶ **Blood Bag Weighing Balance Systems (Double Pan Balance)**

Double Pan Balance is a micro controller based system which equally balance the blood bags after donation and before centrifugation.



▶▶ **Technical Specification**

- Range of weight measurement : 0-2.5 Kg each side.
- Max. Weight difference to be displayed : 4 Kg each side
- Weight display :LCD display with each pan weight difference and weight of each Pan.
- Accuracy each Pan: + 2 grams
- Operational Source : 220-240 V AC & Battery Support

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- Accuracy each Pan: + 2 grams
- Operational Source : 220-240 V AC & Battery Support

▶▶ **CRYOPRECIPITATE BATH**

ATL Cryoprecipitate Bath is specially designed to thaw Frozen Plasma at +4.0°C/ +37.0°C. Inner chamber made of stainless steel, and outer body of MS duly powder coated With built in heavy duty industrial pump to circulate the water throughout the chamber to get maximum accuracy. The Micro Controlled temperature controller controls the temperature with accuracy of ± 0.2°C having Audio Visual Alarm for high & Low temperature and specially designed Stainless Steel basket to accommodate Plasma Bags .

▶▶ **Technical Specification**

Modal No.	No of Plasma bags	Operating Temperature
ACB - 02	16 Bags	4.0 °C and 37.0 °C



## ▶▶ PLASMA THAWING BATH

ATL Plasma Thawing Bath is specially designed to thaw Frozen Plasma at +37.0°C. Inner chamber made of stainless steel, and outer body MS duly powder coated With built in heavy duty industrial pump to circulate the water throughout the chamber to get maximum accuracy. The Micro Controlled temperature controller controls the temperature with accuracy of  $\pm 0.2^{\circ}\text{C}$  having Audio Visual Alarm for high & Low temperature and specially designed Stainless Steel basket to accommodate Plasma Bags .

Modal No.	No of Plasma bags	Operating Temperature
APTB - 01	16 Bags	37.0 °C

## ▶▶ PLASMA THAWING BATH

ATL Plasma Extractor is designed to Extract Blood component from centrifuged Bags. The spring loaded front panel applies pressure on the collected bag causing the liquid to contain in transfer bag. Its sturdy construction makes it durable and reliable, easy to use and portable. The unit is available in both versions automatic and manual.

## ▶▶ Technical Specification

Modal No.	Sensor	Clamping Control	Pressure Plate	Alarm
APE - 01	-	Ma nual	Ac rylic	-
IPE - 02T	Infra Red	Motor A ctivated	Acrylic	Audio Visual



►► **Servicing, Validation, Trainings and Preventive Maintenance :**

- Servicing :We have team of service engineers who can attend to any make of instrument promptly @the most affordable cost.
- Trainings :We also take up preventive maintenance to reduce downtime of instrument's Trainings.
- AMC's/CMC : We offer user training both in-House and at customer sites on instrument principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/USFDA norms.
- Instruments : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



►► **About Analytical Technologies**

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufaturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

►► **Our Products & Technologies**



▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:

1. Research & Innovation Scientist's awards / QC Professional Award: Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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 **Analytical**®  
Technologies Limited

HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.ais-india.com](http://www.ais-india.com)  
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[www.hplctechnologies.com](http://www.hplctechnologies.com)  
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